



Isolation of Non-Cytopathic (NCP) VSV Mutants

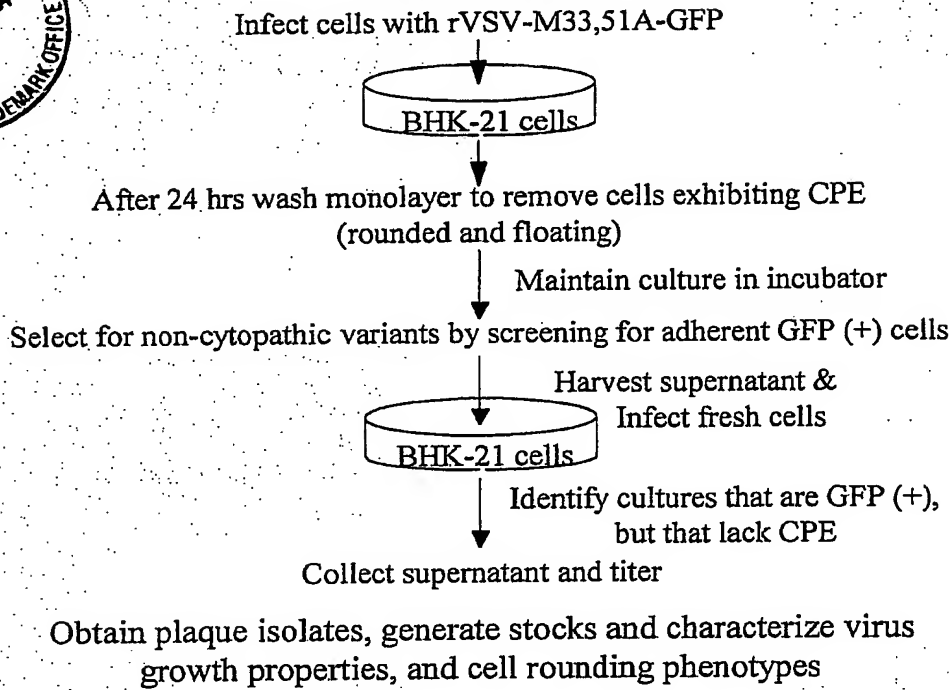


FIGURE 1

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Cell Rounding Phenotypes of M Protein Mutants of VSV

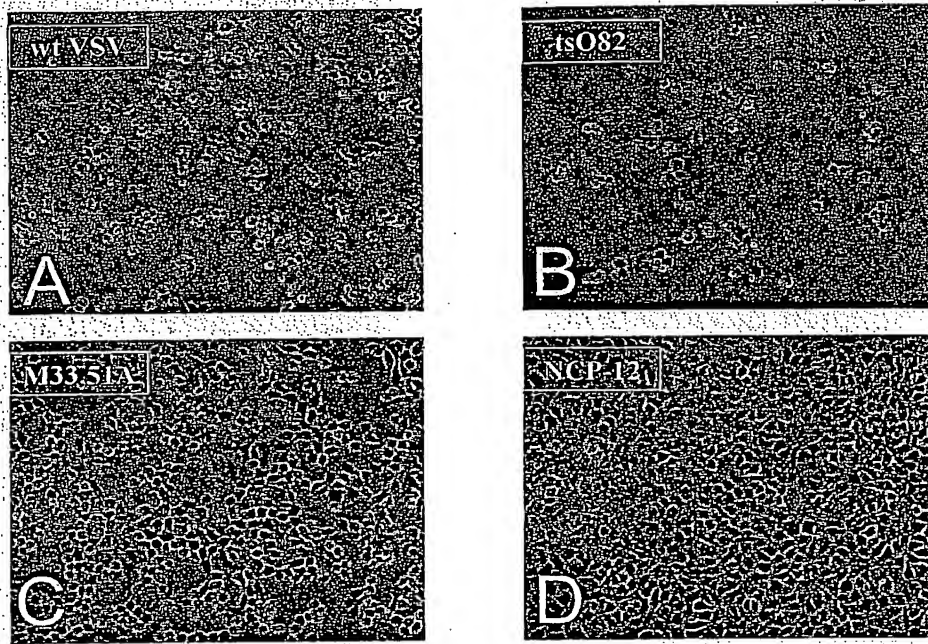


FIGURE 2

Isolation and Sequencing of NCP-M Protein Mutant cDNAs

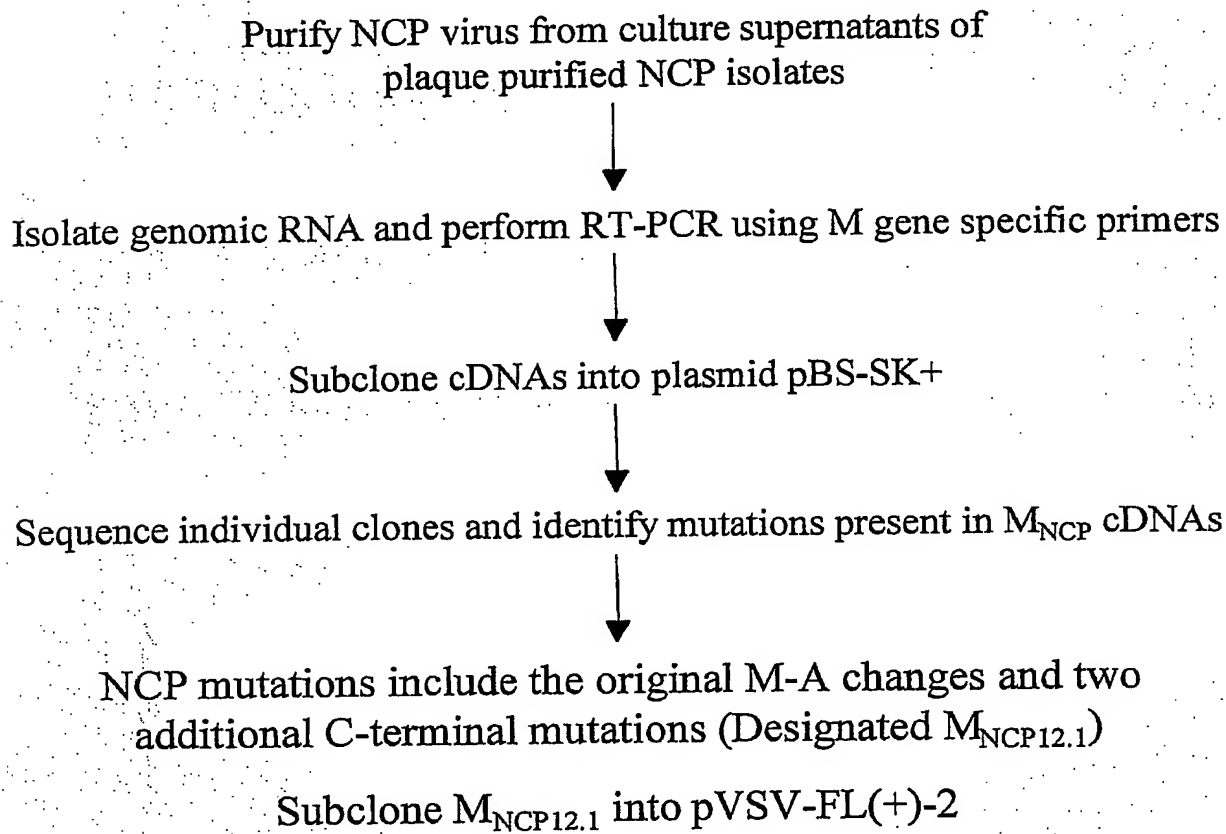


FIGURE 3

Recovery of rVSV-M_{NCP12.1}

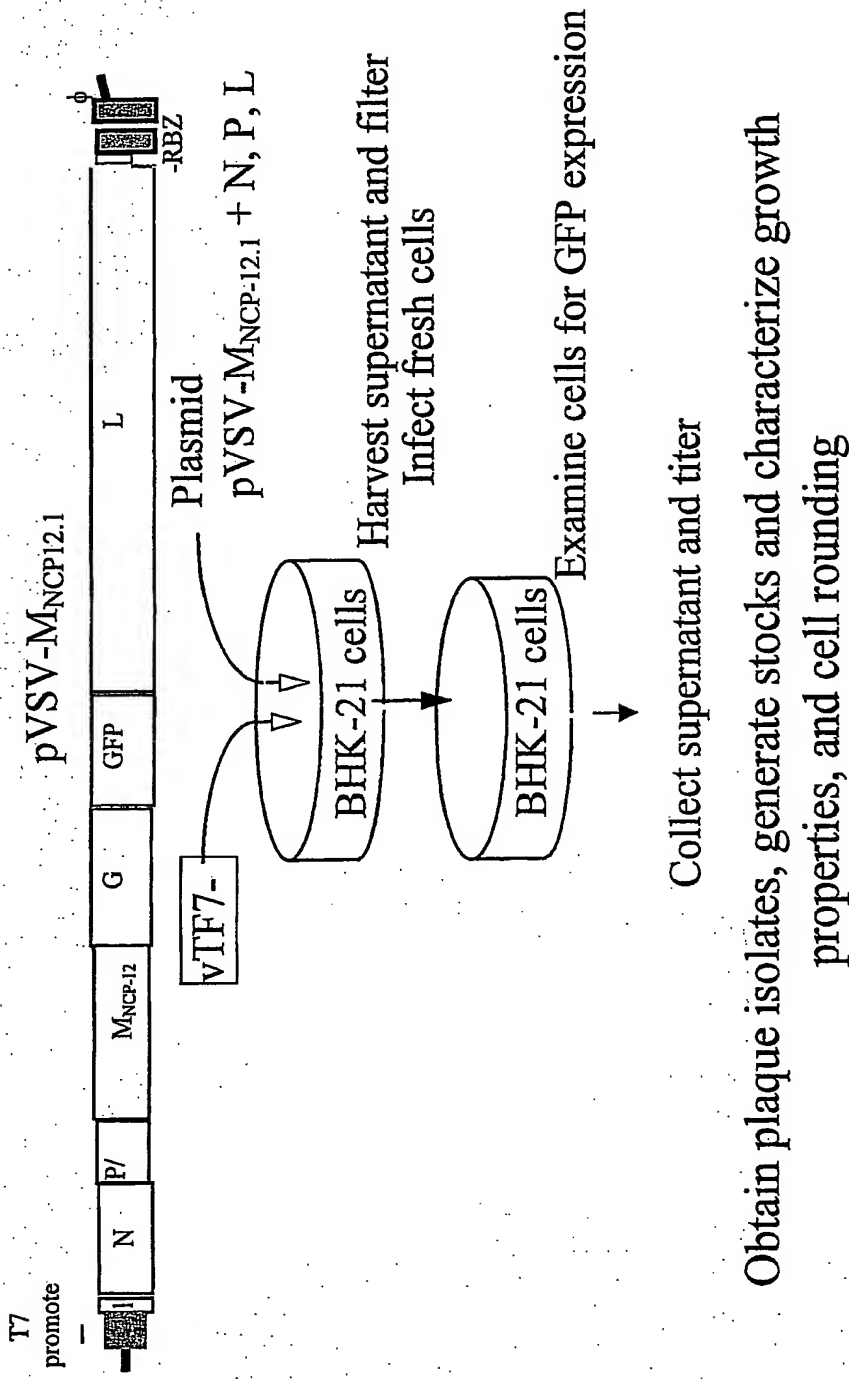


Figure 4

rVSV/NCP-12.1 is Defective in Cell Rounding

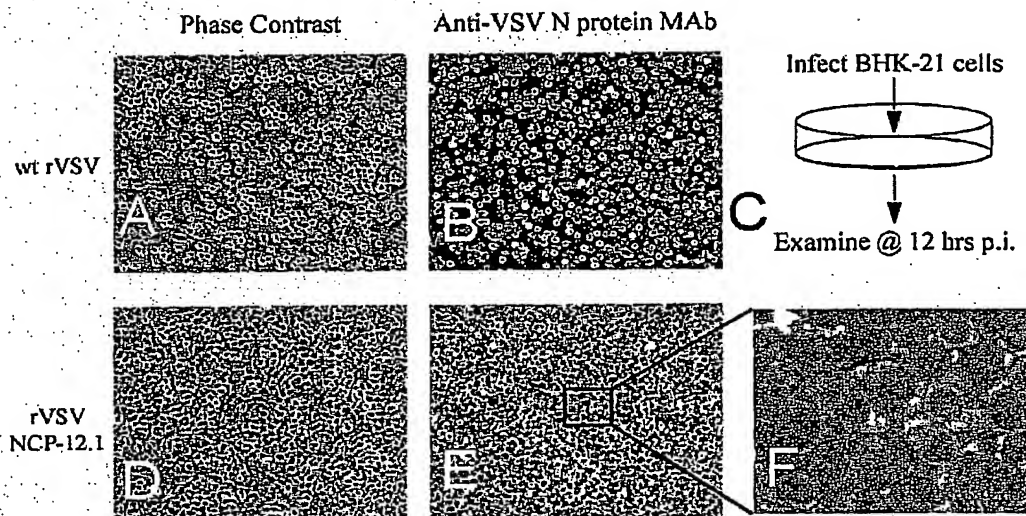


Figure 5

Transient Expression of M_{NCP-12.1}

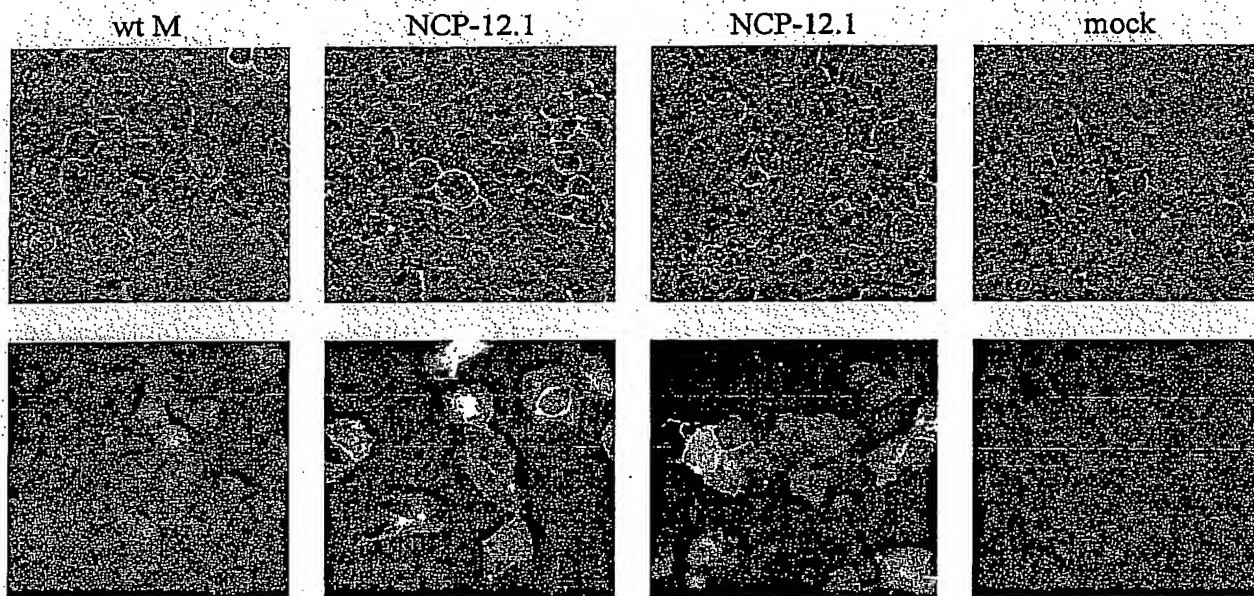


FIGURE 6

rVSV/M_{NCP-12.1} Infection of Different Cell Types

BHK @ 24 hr

CV-1 @ 24 hr

Hela @ 12

Vero @ 24

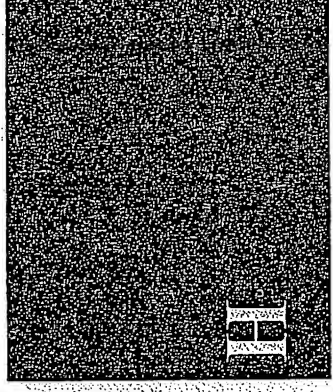
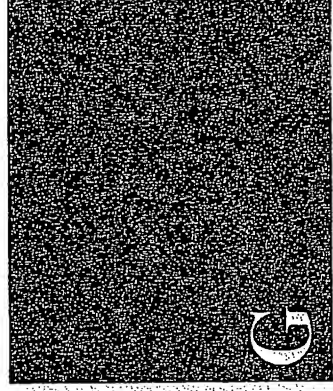
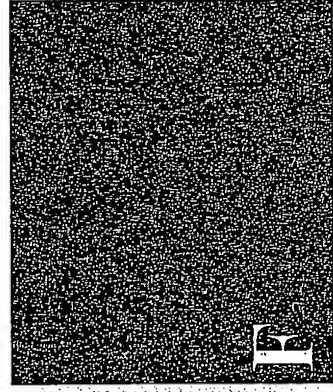
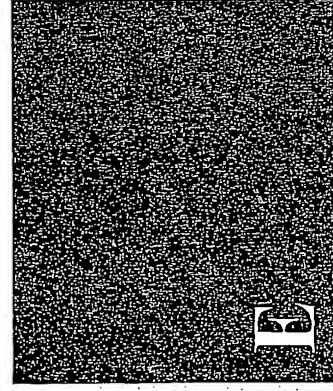
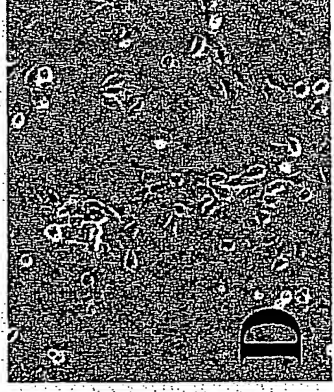
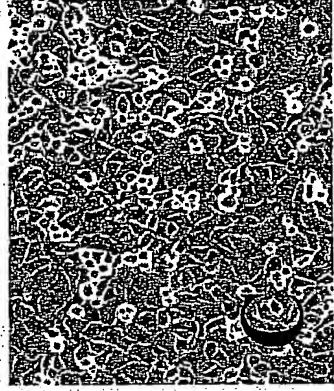
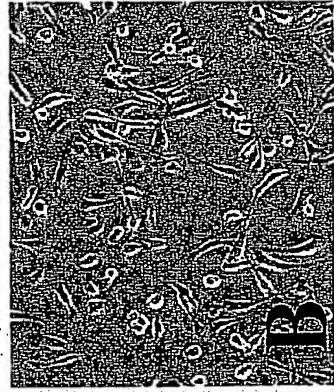
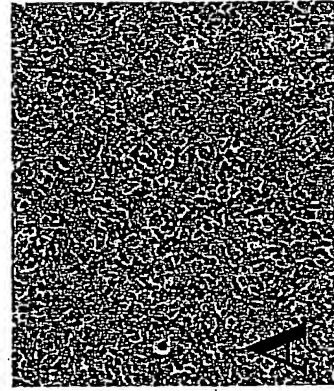
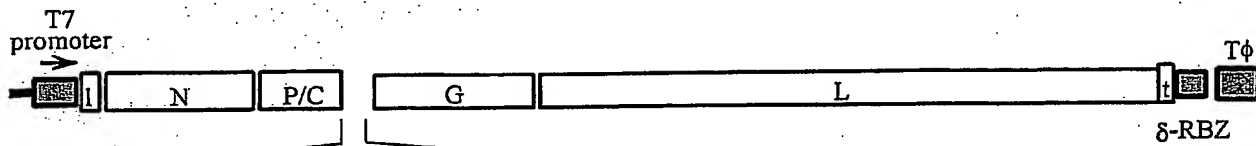


Figure 7

Use of $M_{NCP-12.1}$ to Recover ΔM -VSV



M gene CTSS-polylinker-M gene SPAS

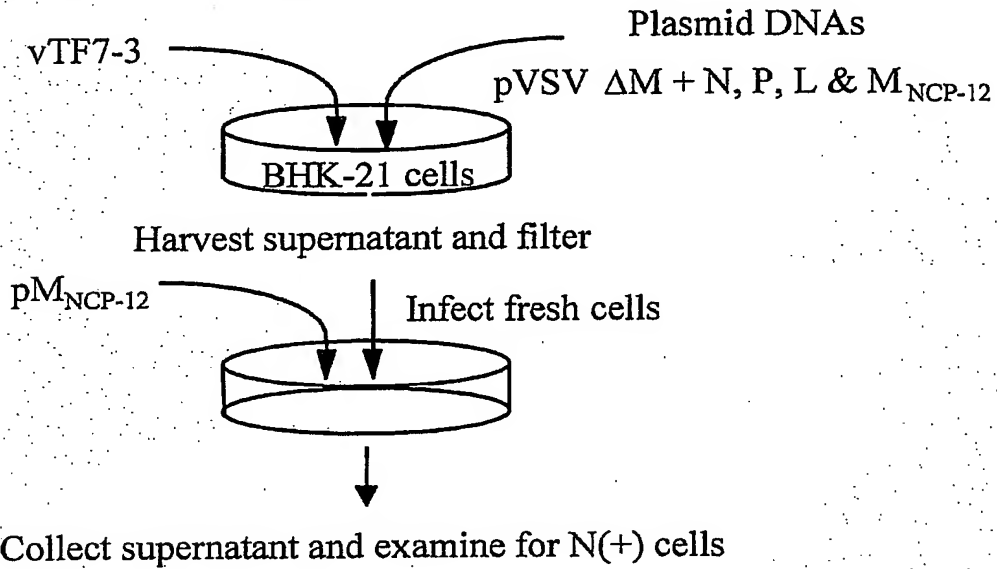


Figure 8

Recovery of rVSV-ΔM

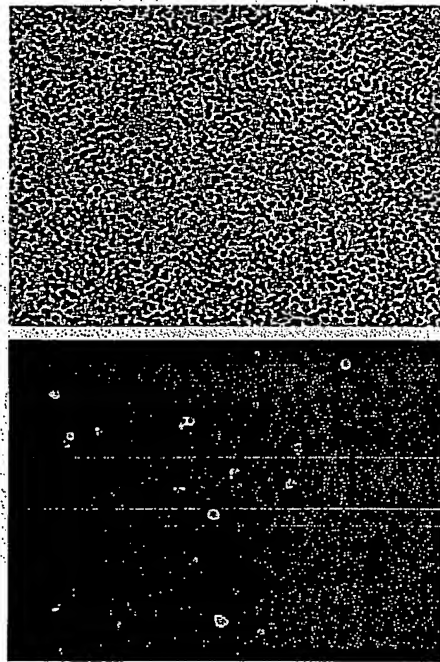
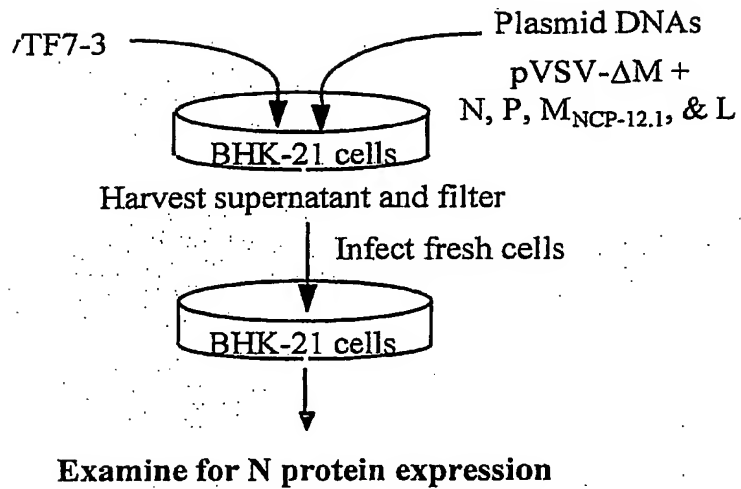


FIGURE 9

Sample #176, 3 Days Post-infection

Infection of Islet Prep #176 at day 3 post infection

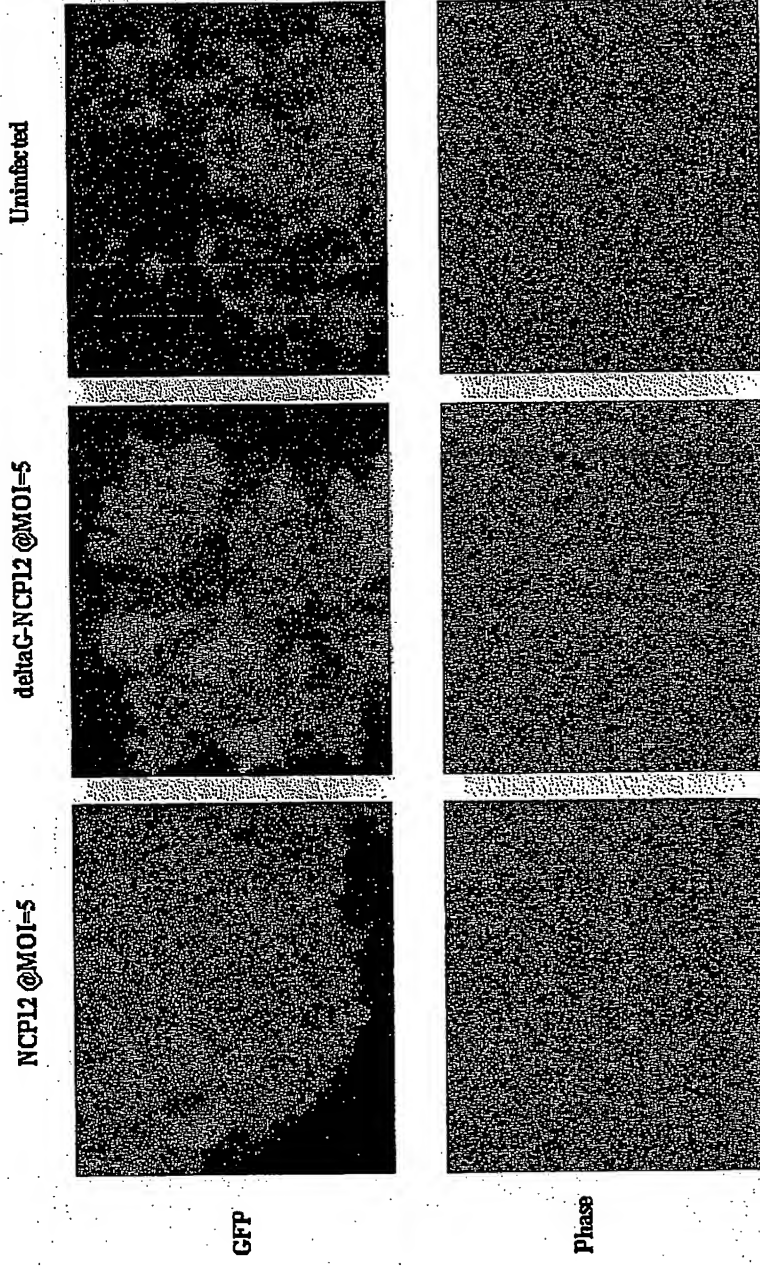


Figure 10

Sample #163, 3 Days Post-infection

Infection of Islet Prep#163 at day 3 post infection

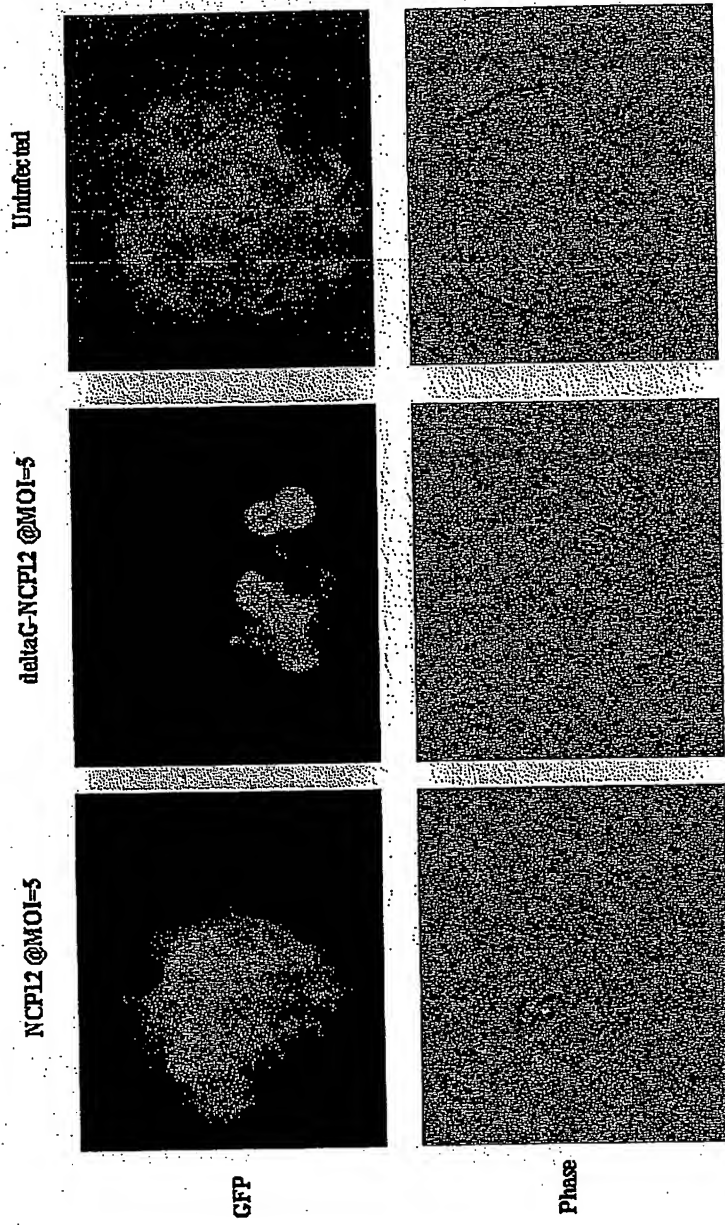


Figure 11

Sample #176, 3 Days Post-infection

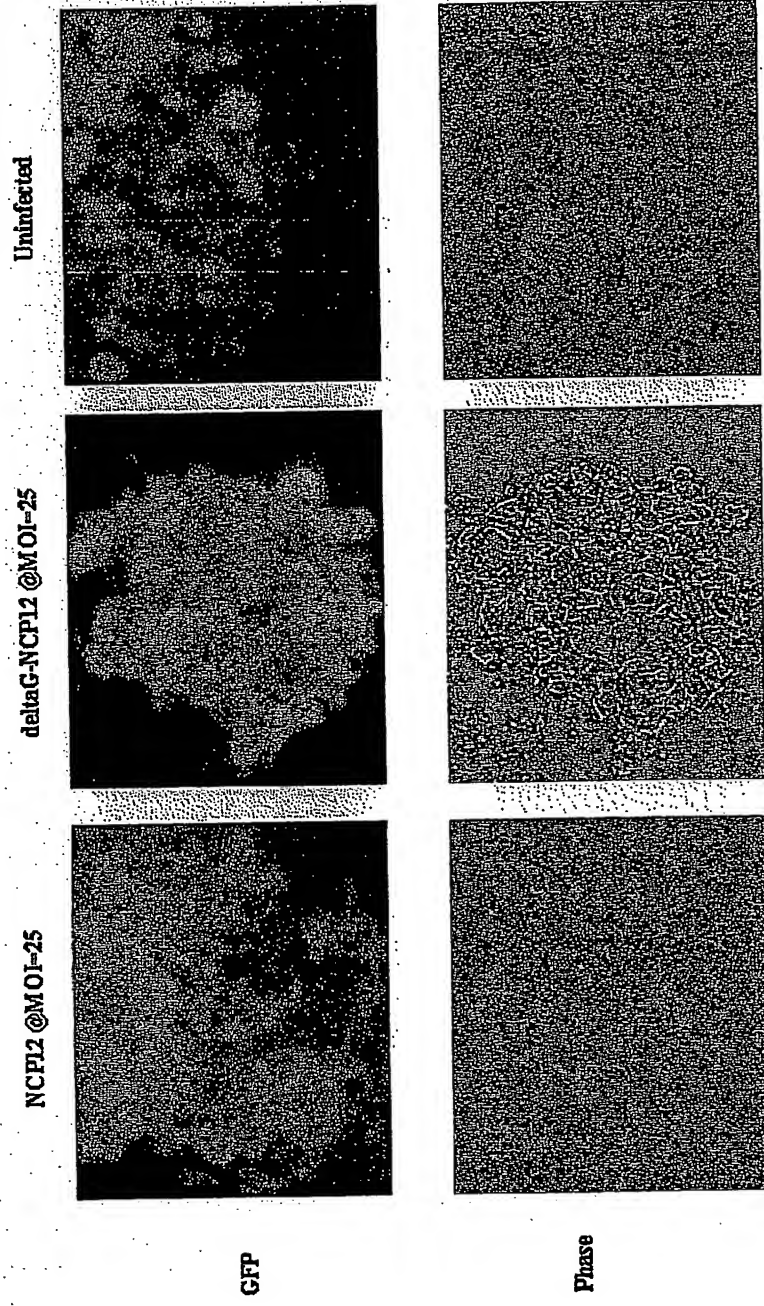


Figure 12

Sample #163, 3 Days Post-infection

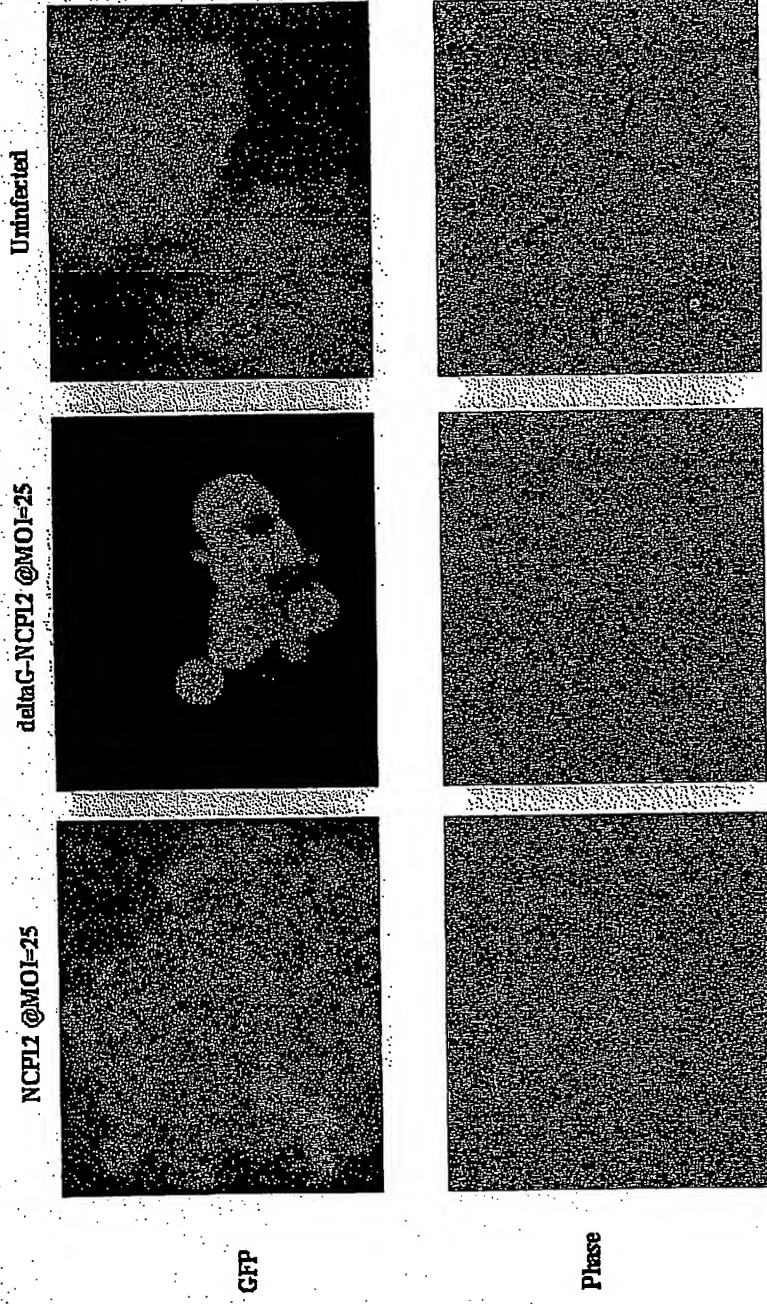


Figure 13

Sample #176, 8 Days Post-infection

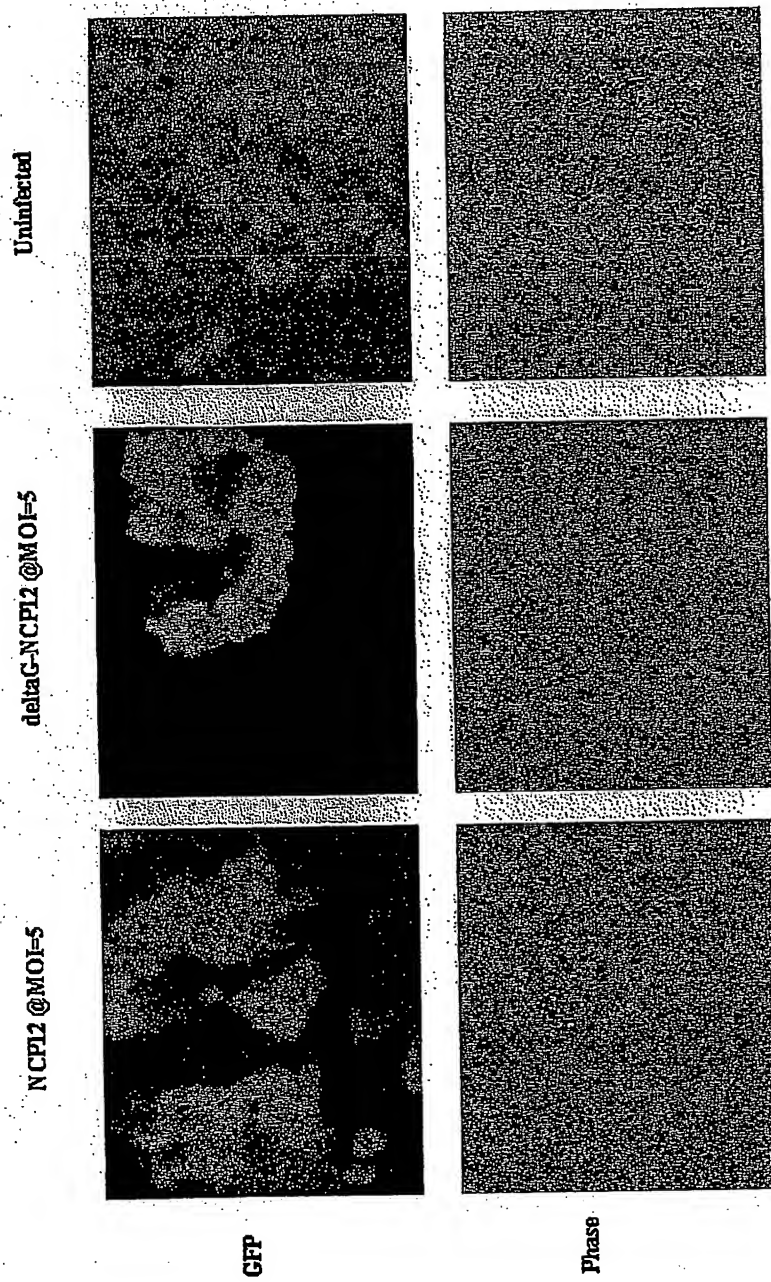


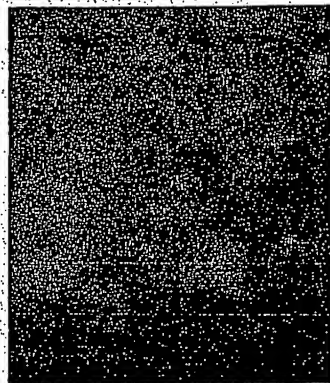
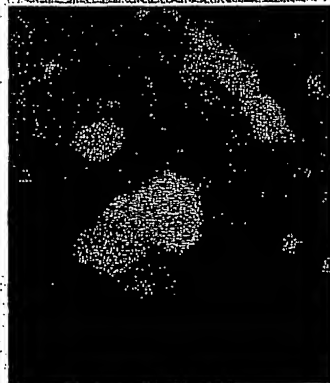
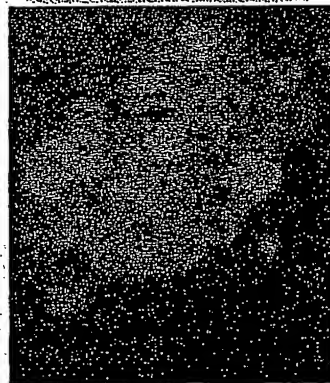
Figure 14

Sample #176, 8 Days Post-infection

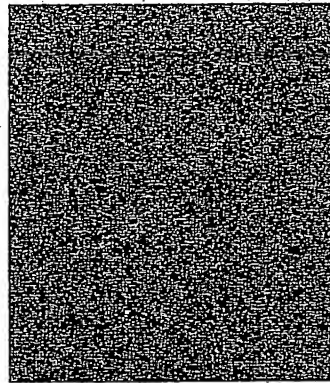
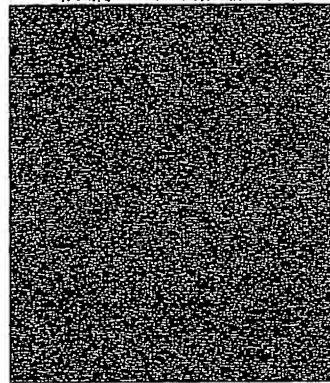
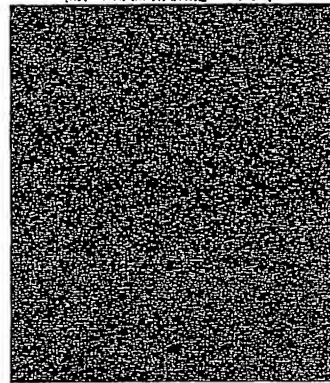
NCPI2 @MOI=25

deltaG-NCPI2 @MOI=25

Uninfected



CFP



Phase

Figure 15

Sample #163, 8 Days Post-infection

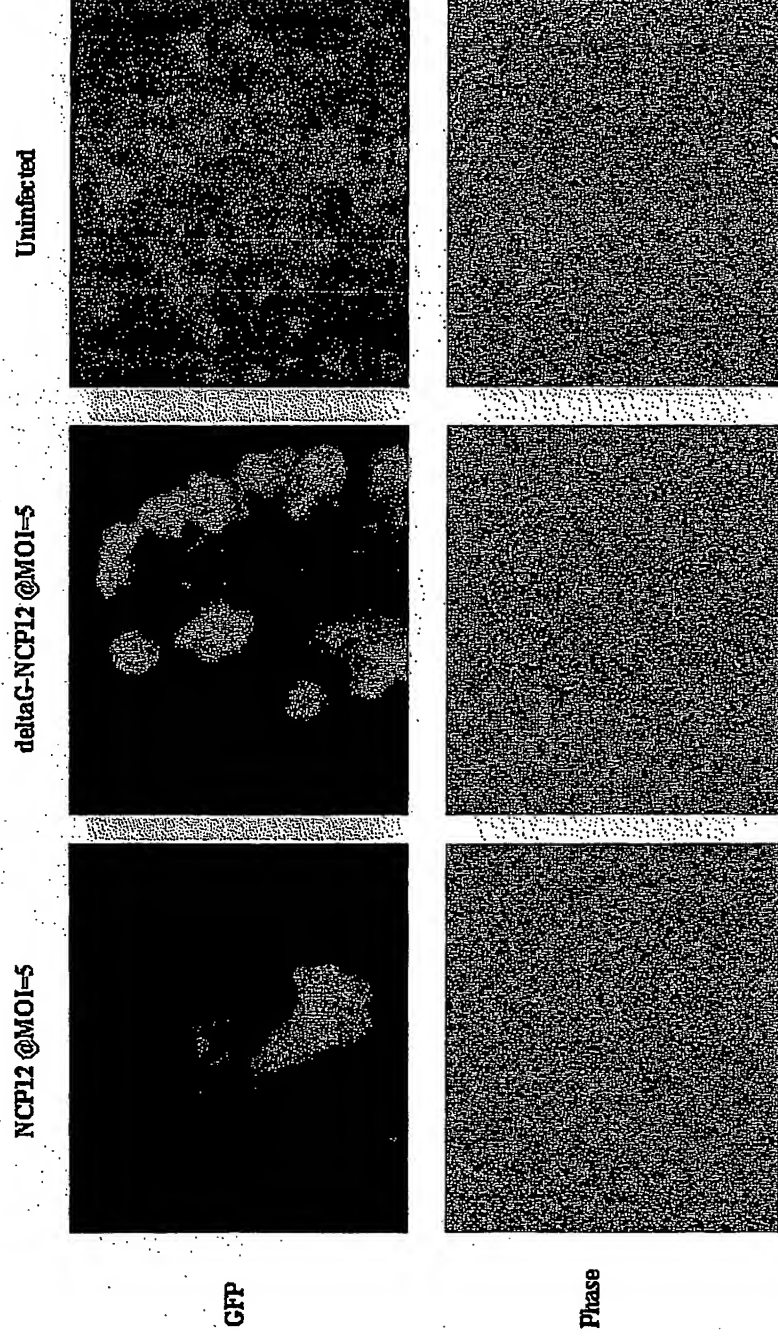


Figure 16

Sample #163, 8 Days Post-infection

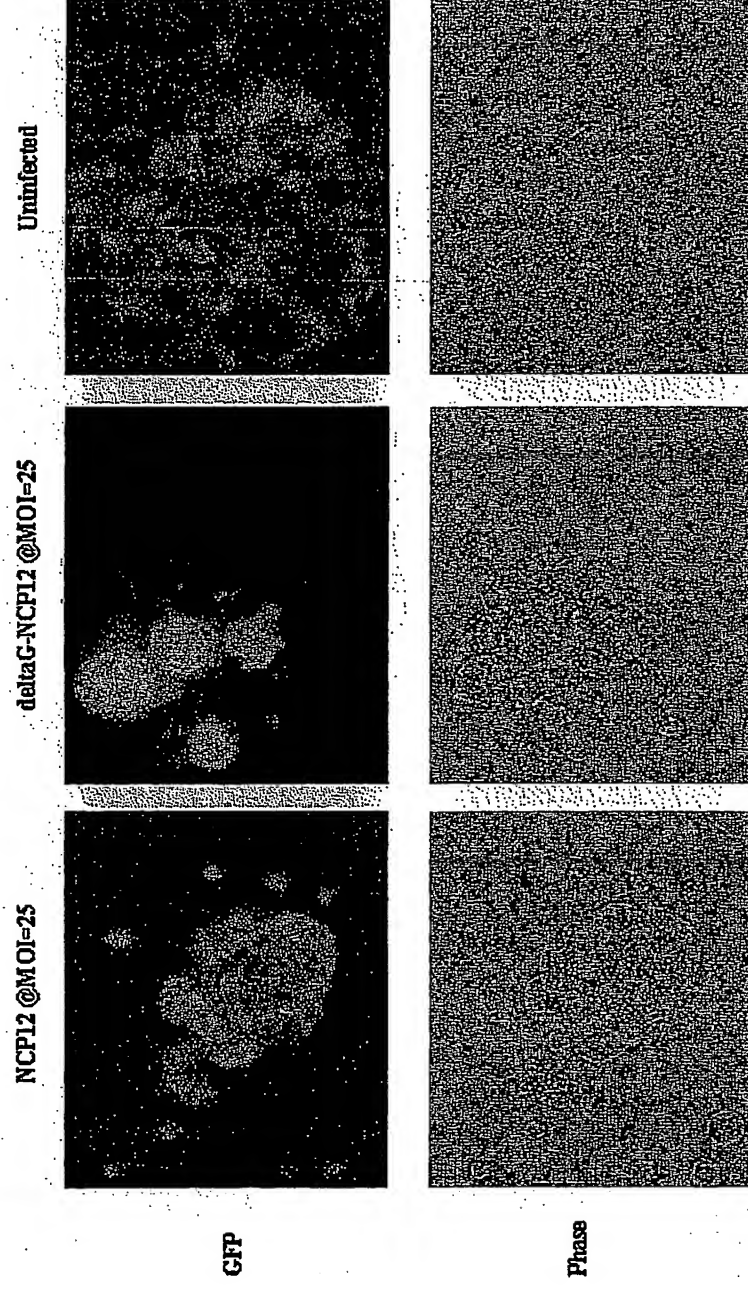


Figure 17

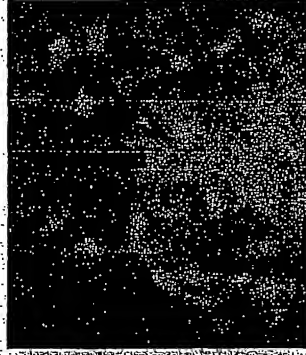
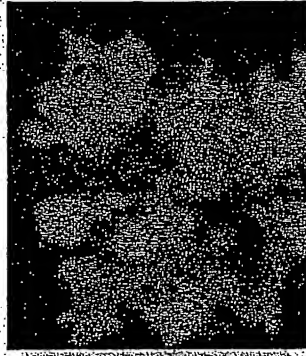
Sample #176, 3 Days Post-infection

MOI=5

NCP12

DeltaG-NCP12

Uninfected



MOI=25

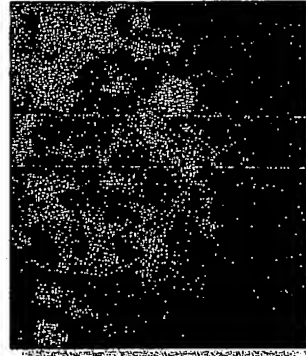
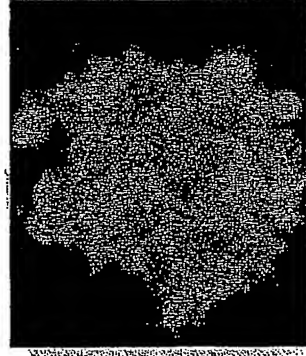
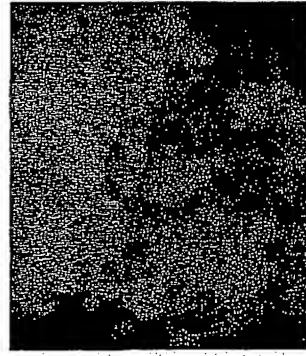


Figure 18

Sample #176, 8 Days Post-infection

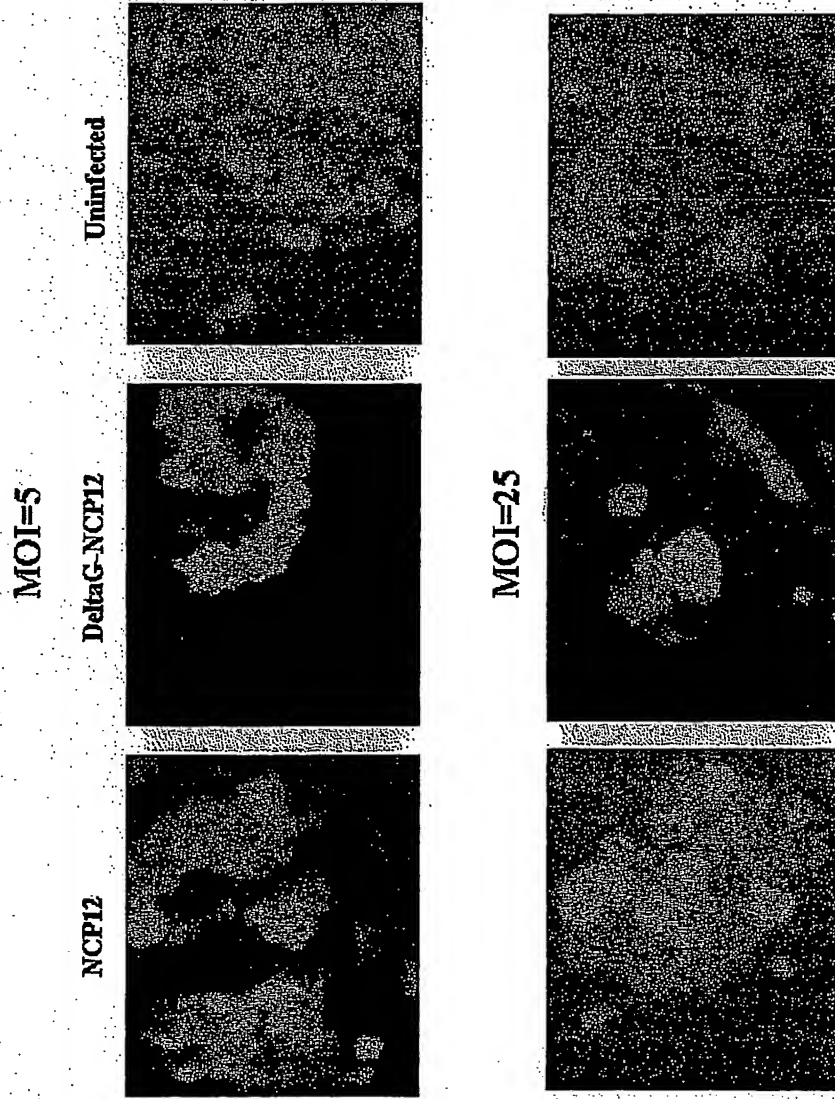


Figure 19

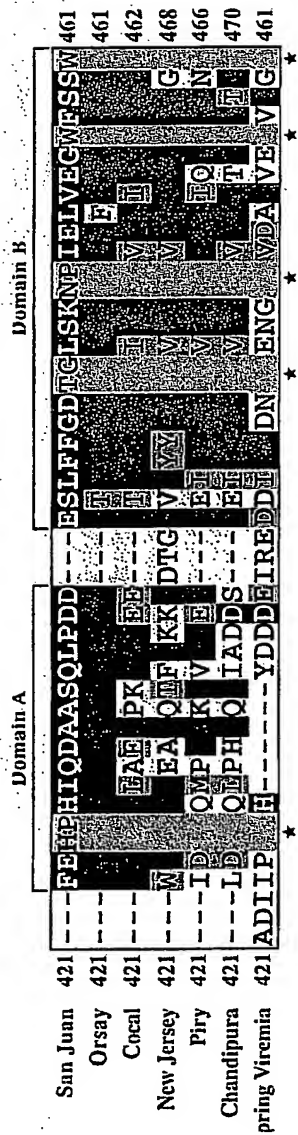


Figure 10

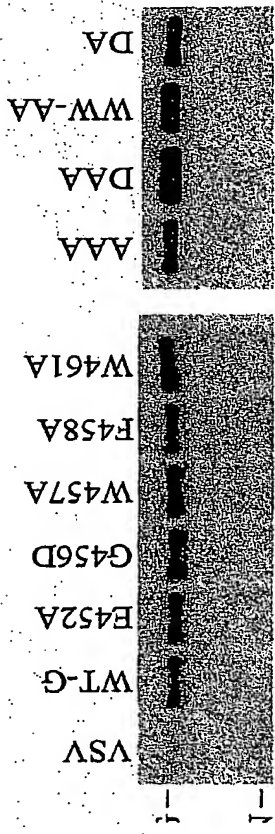
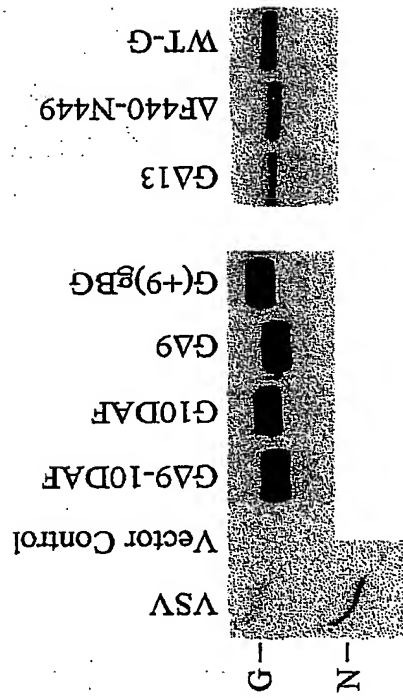
421 FEHPHIQDAASQLPDDDES LFFGDTGLSKNPIELVEGWFSWK 462

A		E452A(E-A)
	D	G456D(G-D)
	A	W457A(W1A)
	A	F458A(F-A)
	A	W461A(W2A)
	A	W457A,W461A(WW-AA)
DA	A	G456D,W457A(DA)
AA	A	W457A,F458A,W461A(AAA)
DA	A	G456D,W457A,W461A(DAA)

FEHPHIQDAASQLPDDDES LFFGDTGLSKNPWSSF	TM TAIL	Grev11
FEHPHIQDAASQLPDDDES LFFGDTGLSKNPASSFAGEVLEIK		Grev11-AA
FEHPHIQDAASQLPDDDES L-----PIELVEGWFSWK		ΔF440-N449
FEHPHIQDAASQLPDDDES LFFGDTGLSK-----K		GA13
FEHPHIQDAASQLPDDDES LFFGDTGLSKNPIELVEGWFSWKSS		G(AXB)
FEHPHIQDAASQLPDDDES LFFGDTGLSKNPIE-----KSS	SPNKGSGTTS	GA9
FEHPHIQDAASQLPDDDES LFFGDTGLSKNPIELVEGWFSWKSS	SPNKGSGTTS	G10DAF
FEHPHIQDAASQLPDDDES LFFGDTGLSKNPIE-----KSS	SPNKGSGTTS	GA9-10DAF
FEHPHIQDAASQLPDDDES LFFGDTGLSKNPIELVEGWFSWKSS	STVHHADNP	G(+9)gBG

FIGURE 21

Figure 22



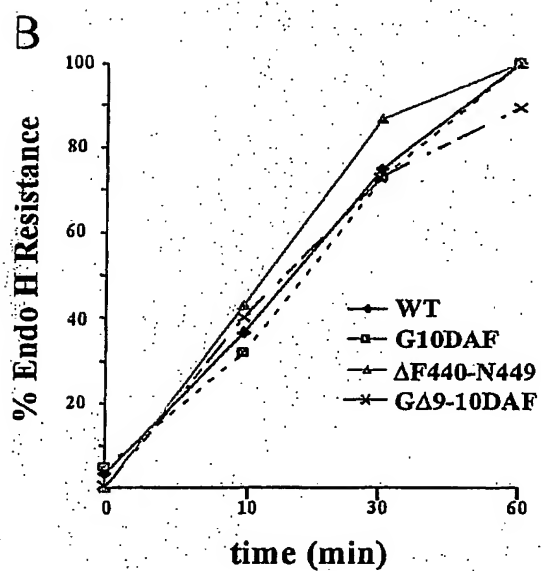
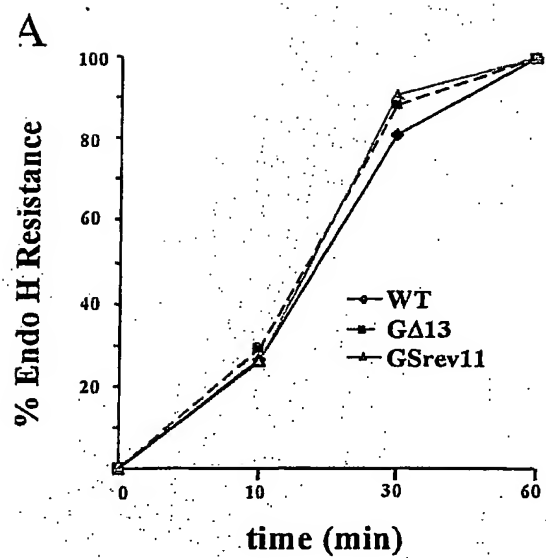


FIGURE 23

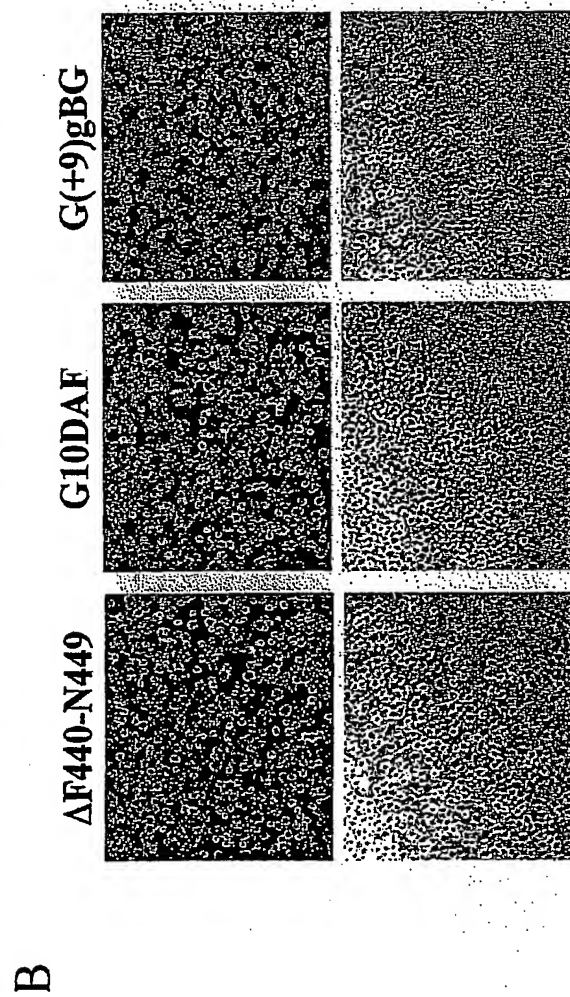
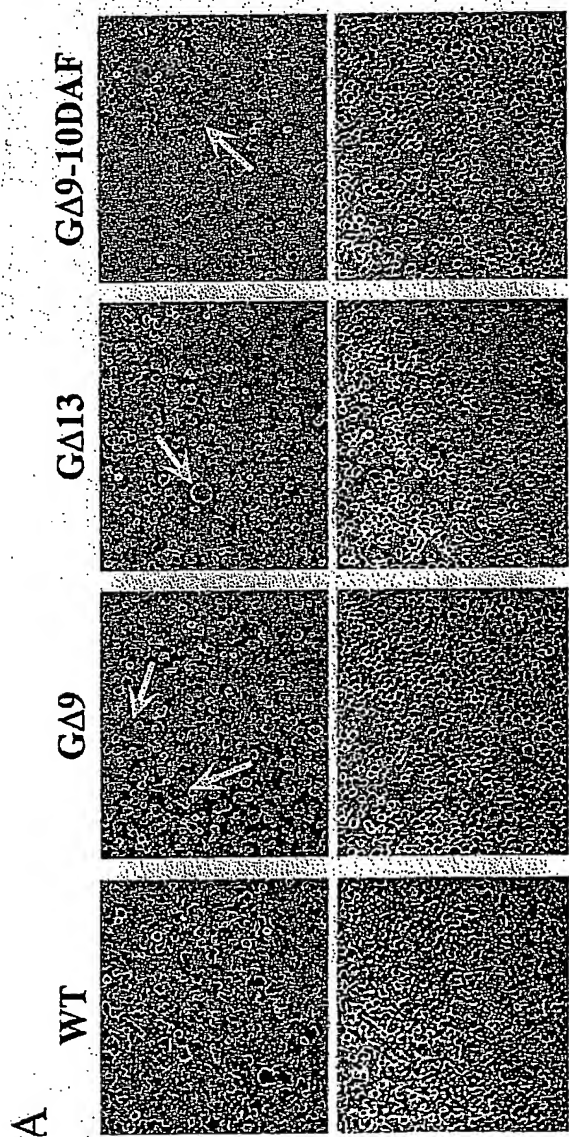


figure 24

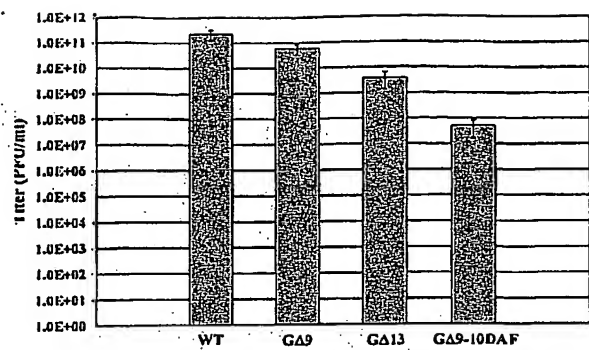


FIGURE 25

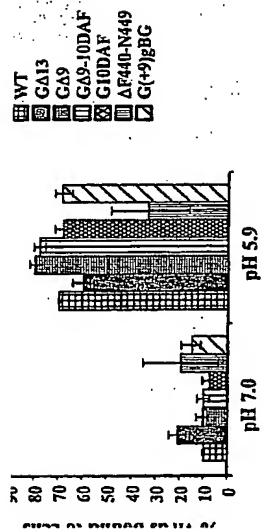
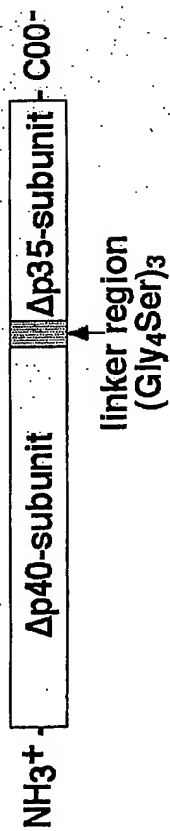


Figure 27

A



B

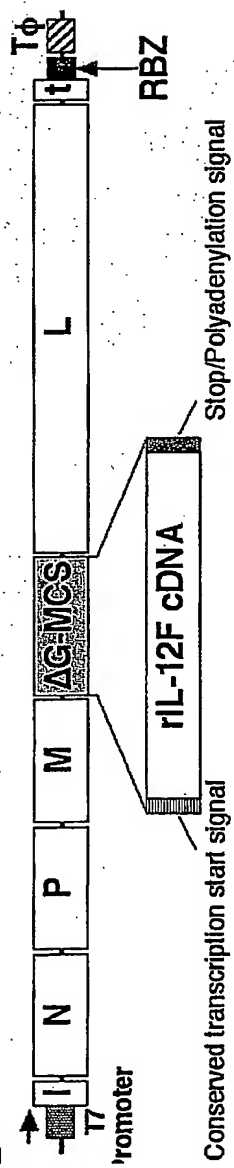


Figure 28

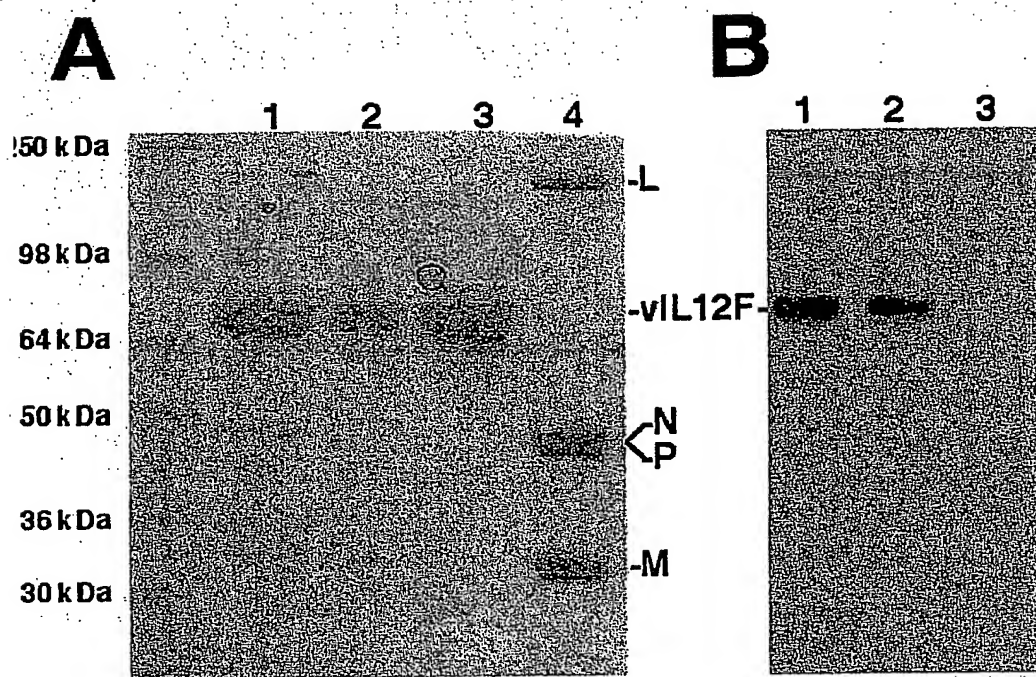


Figure 29

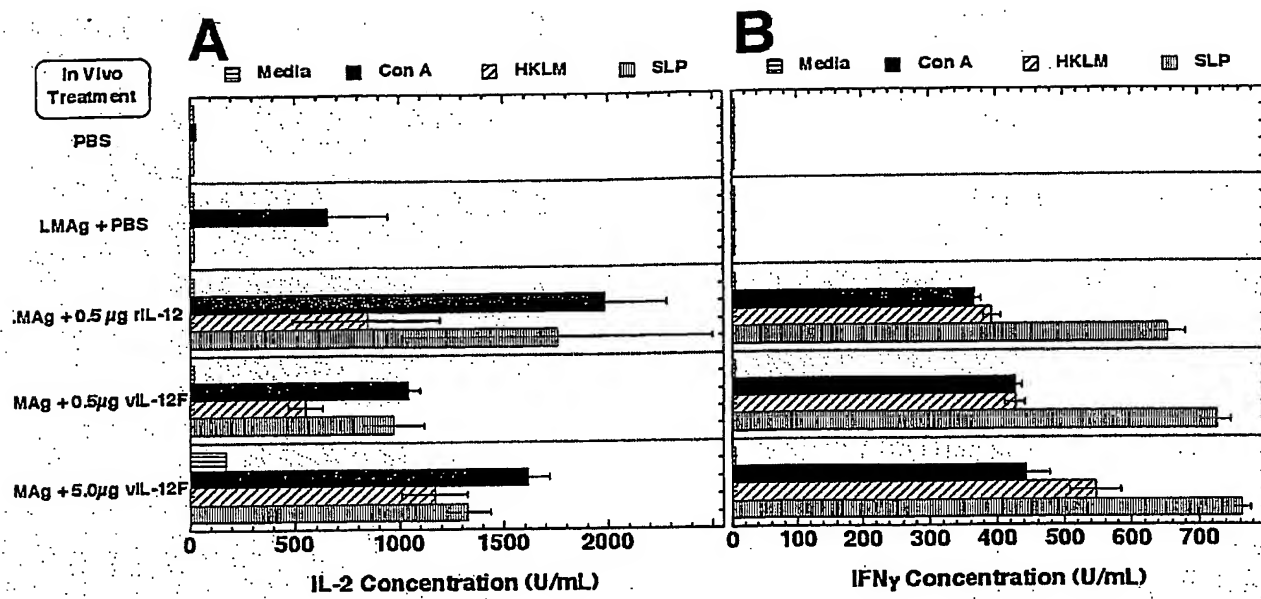


FIGURE 30

A

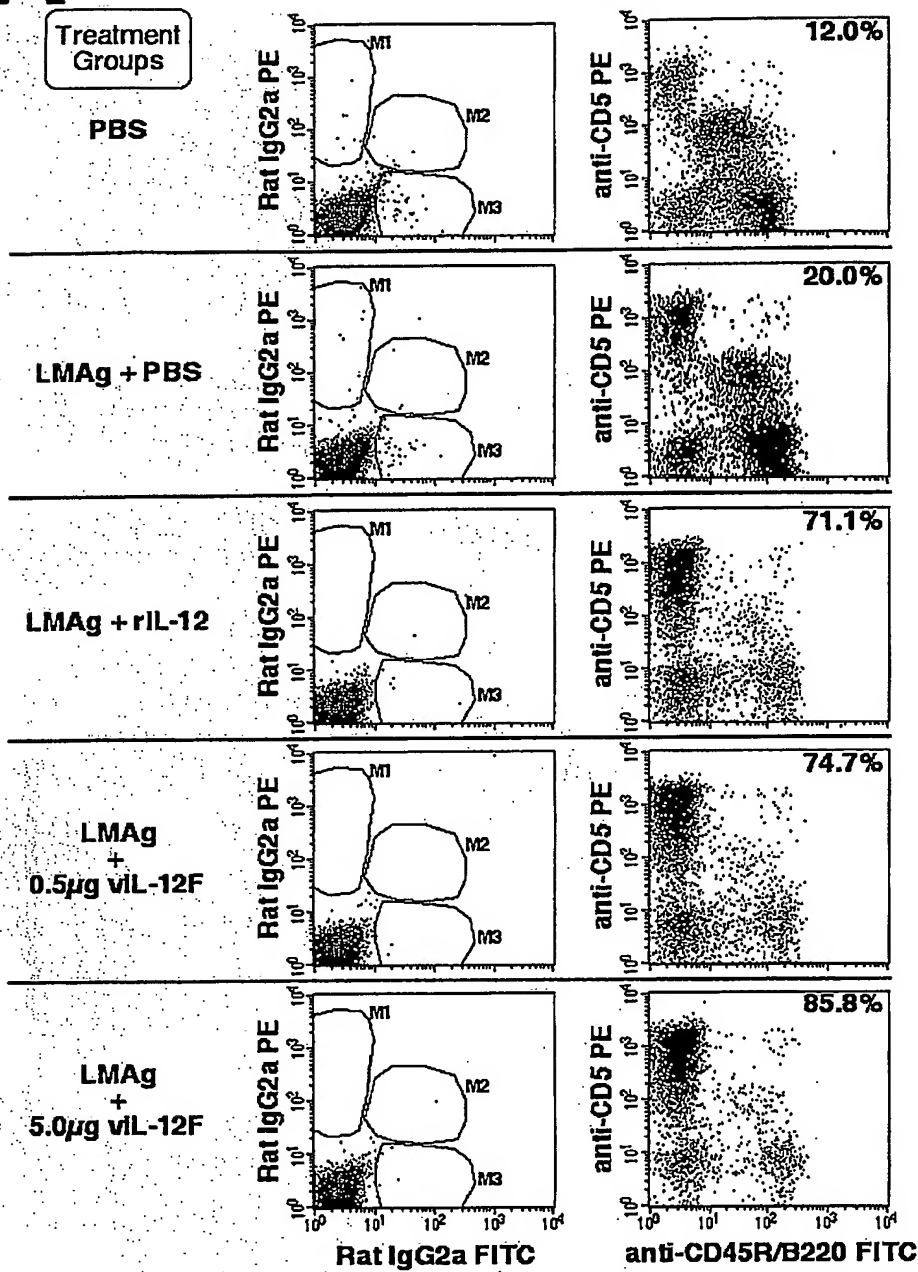


Figure 31a

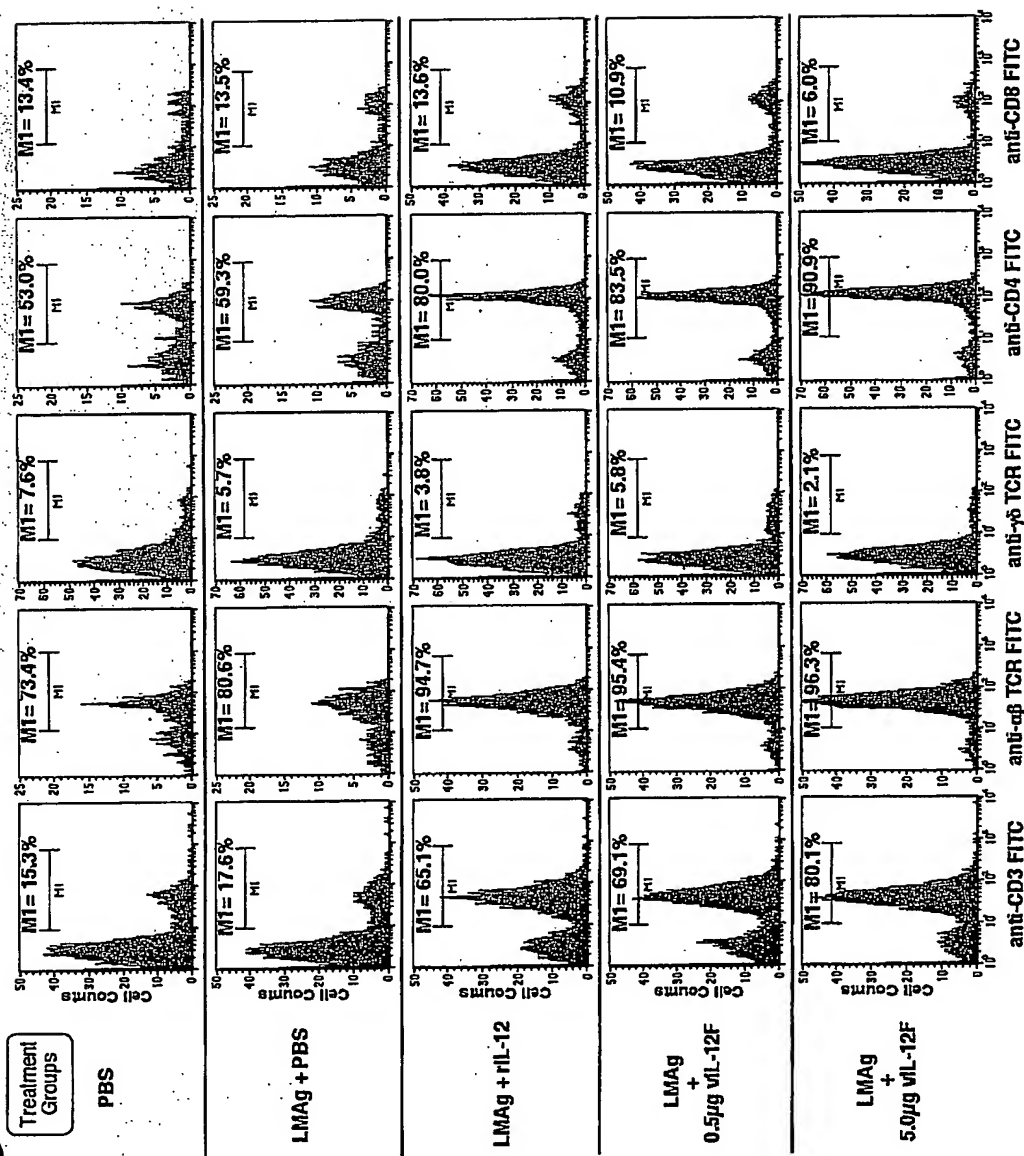


Figure 31b

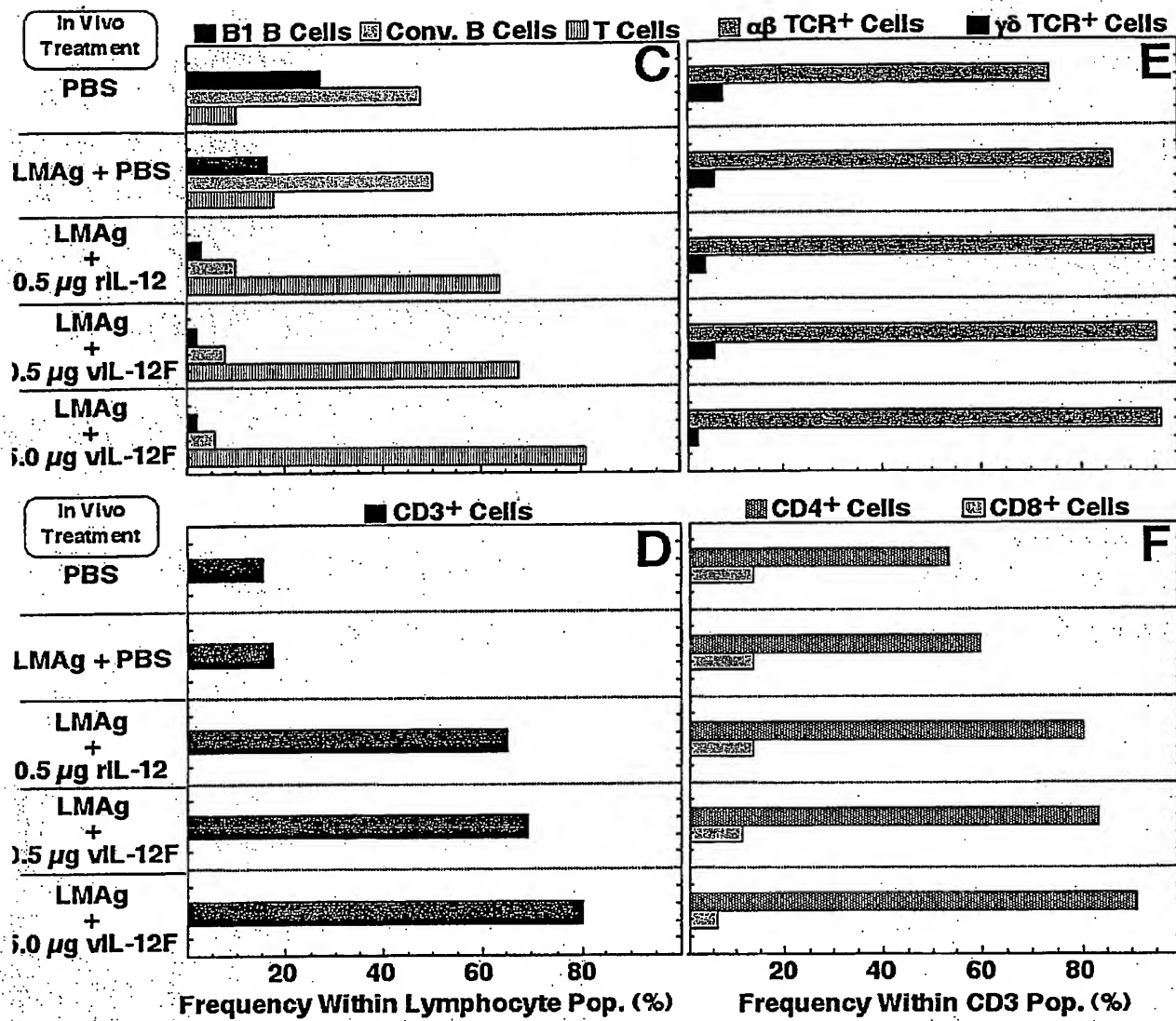
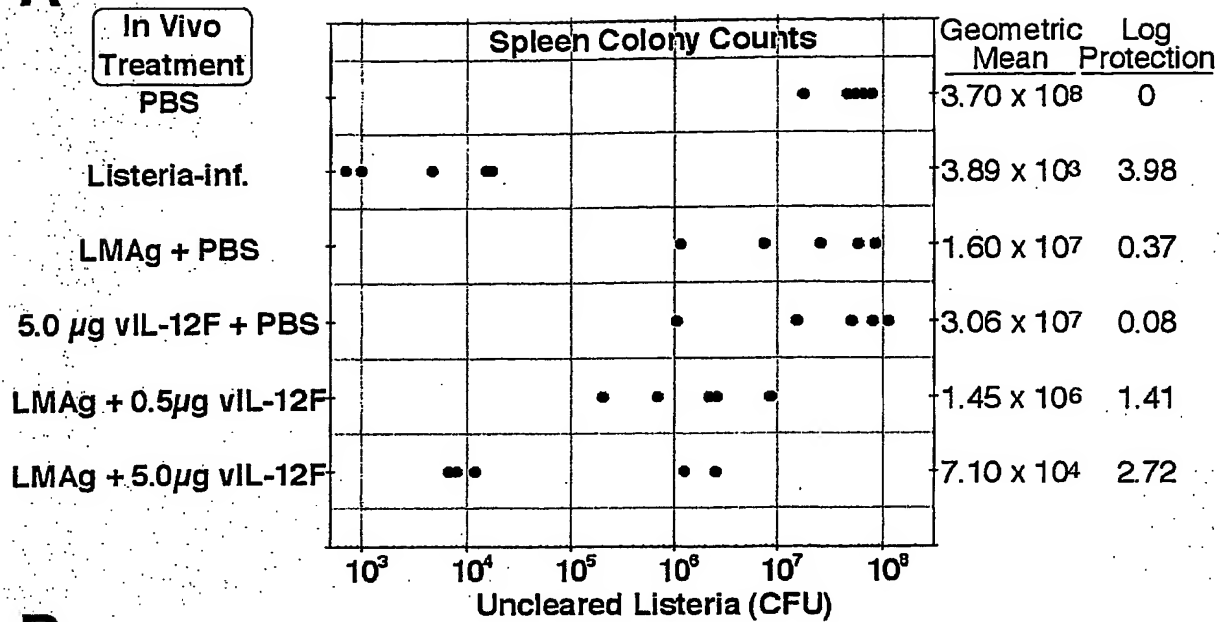


FIGURE 31 C

A



B

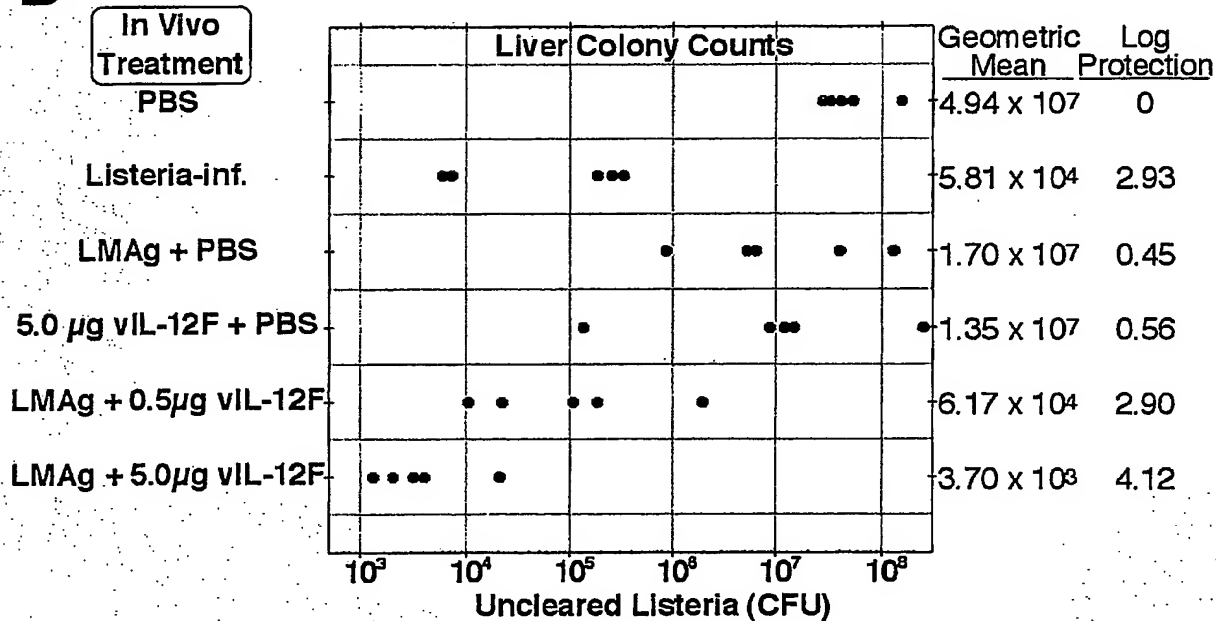
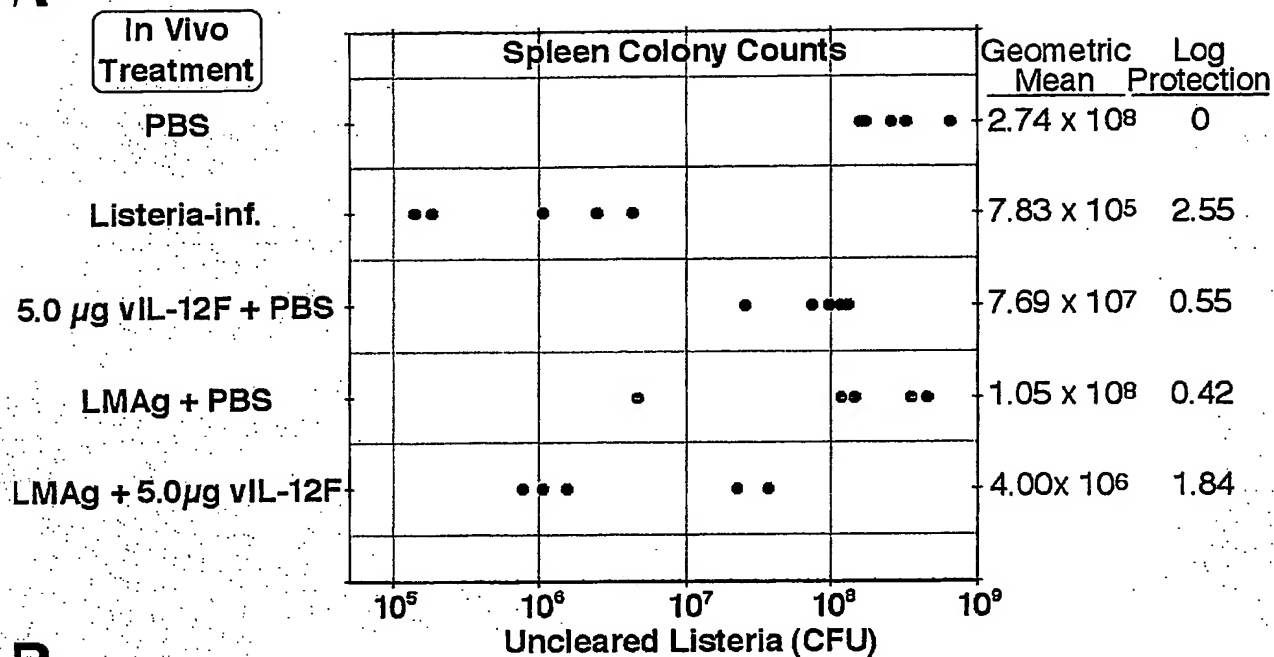


FIGURE 32

A



B

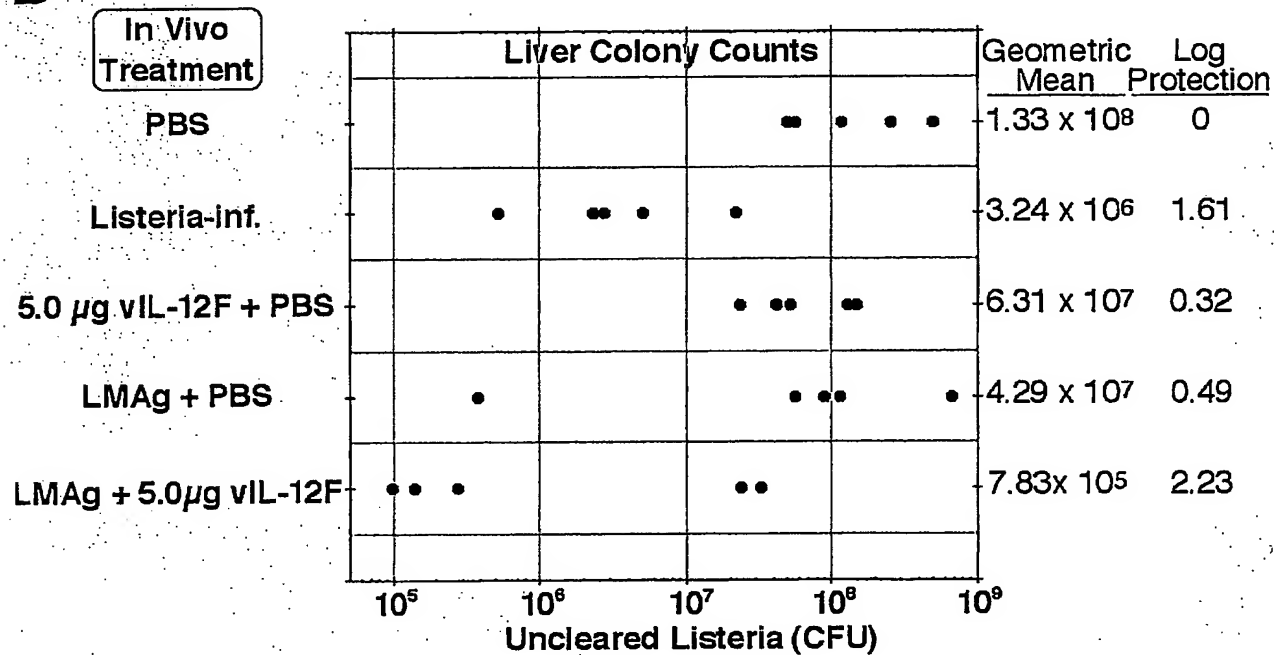
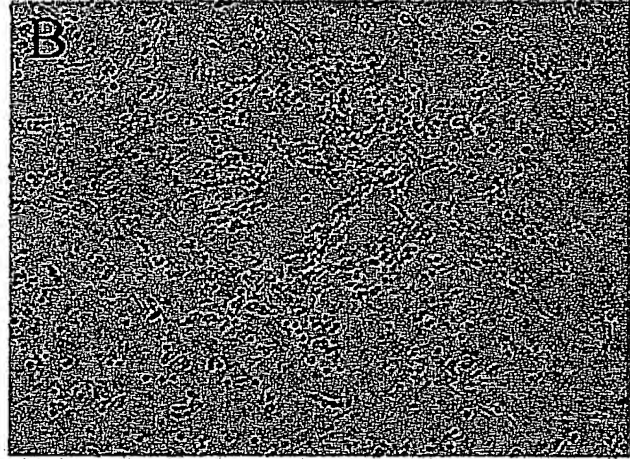
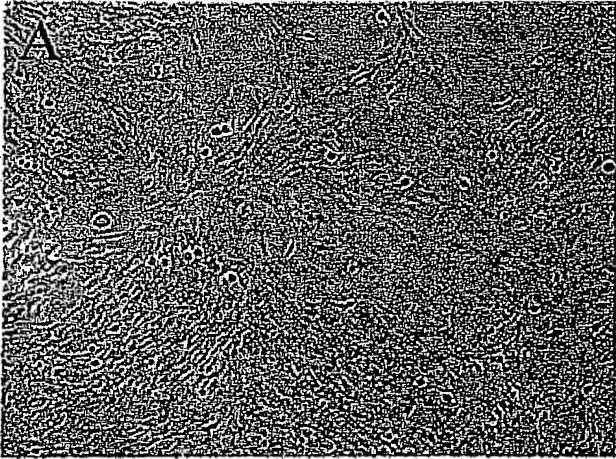


FIGURE 33

0 hr

10 hr



24 hr

48 hr

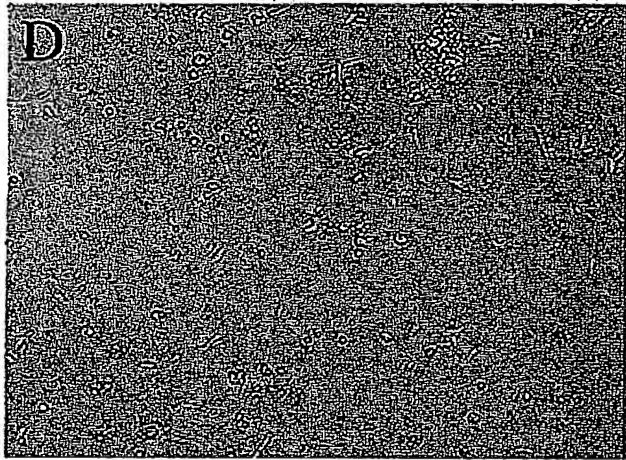
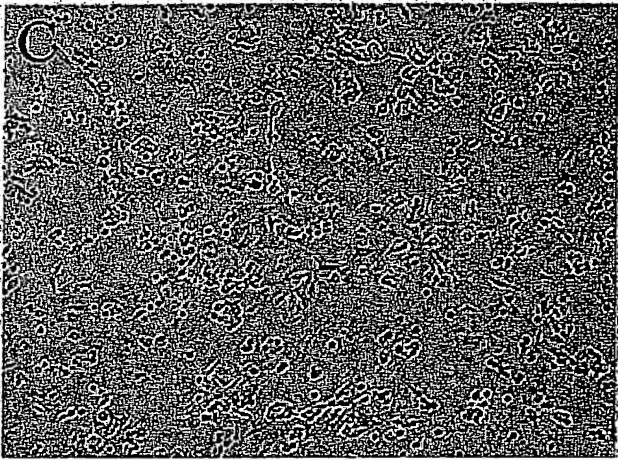


Figure 34

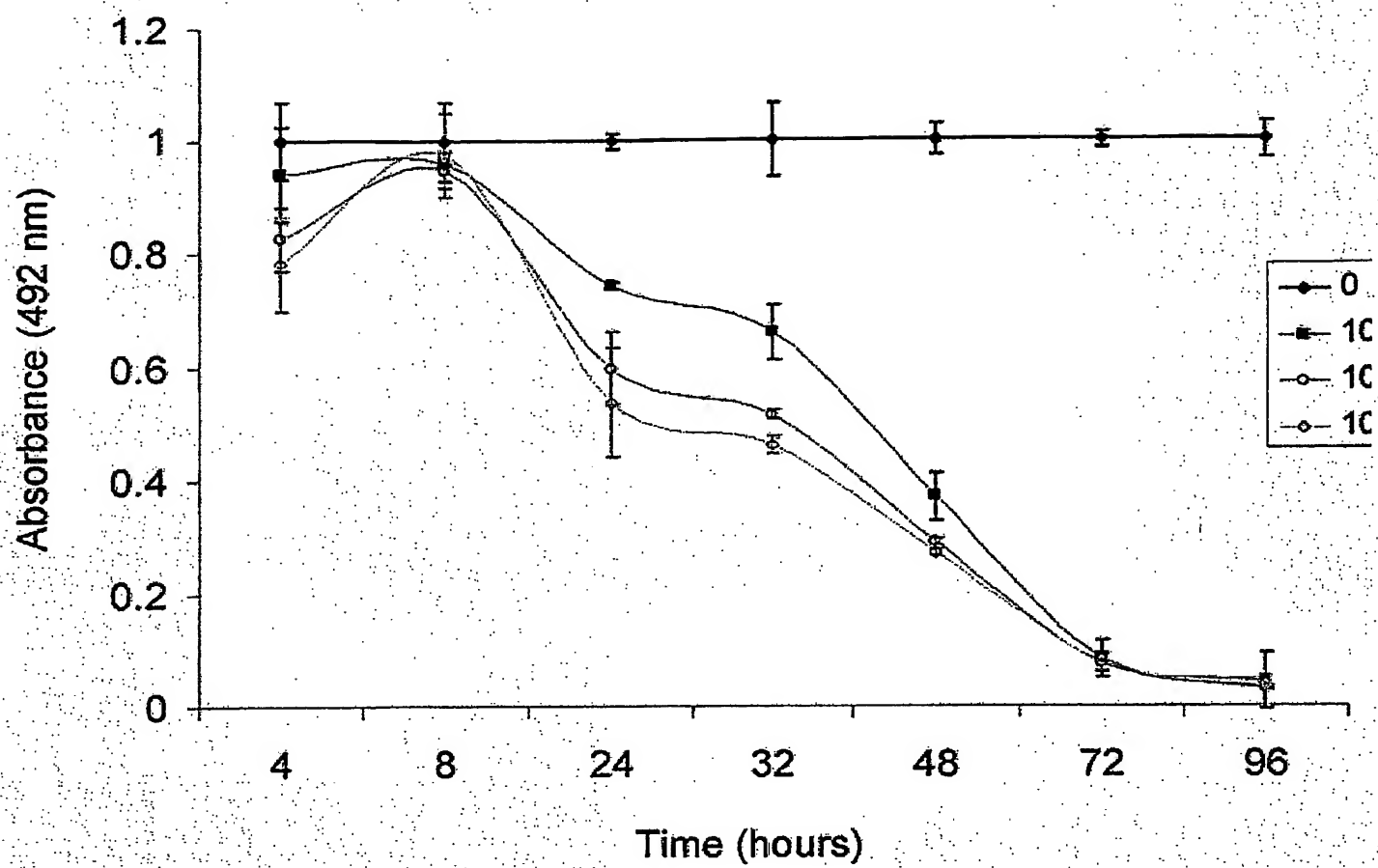
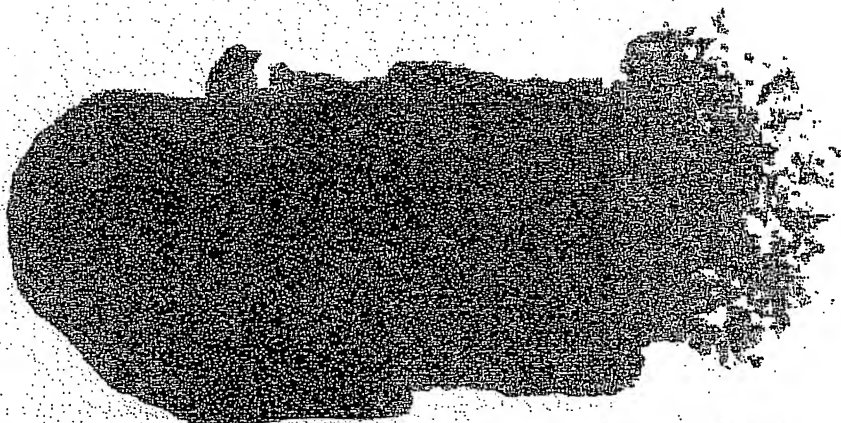


Figure 35

A



Substantia Nigra
(SN)

Striatum

Cortex
(Cx)

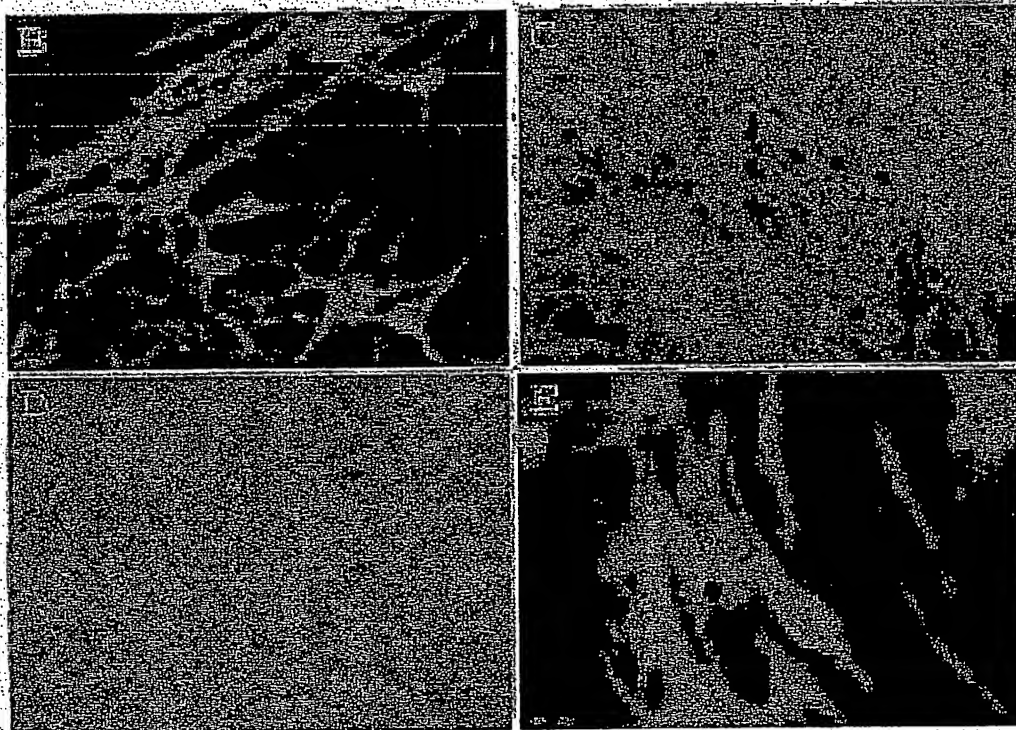


Figure 36

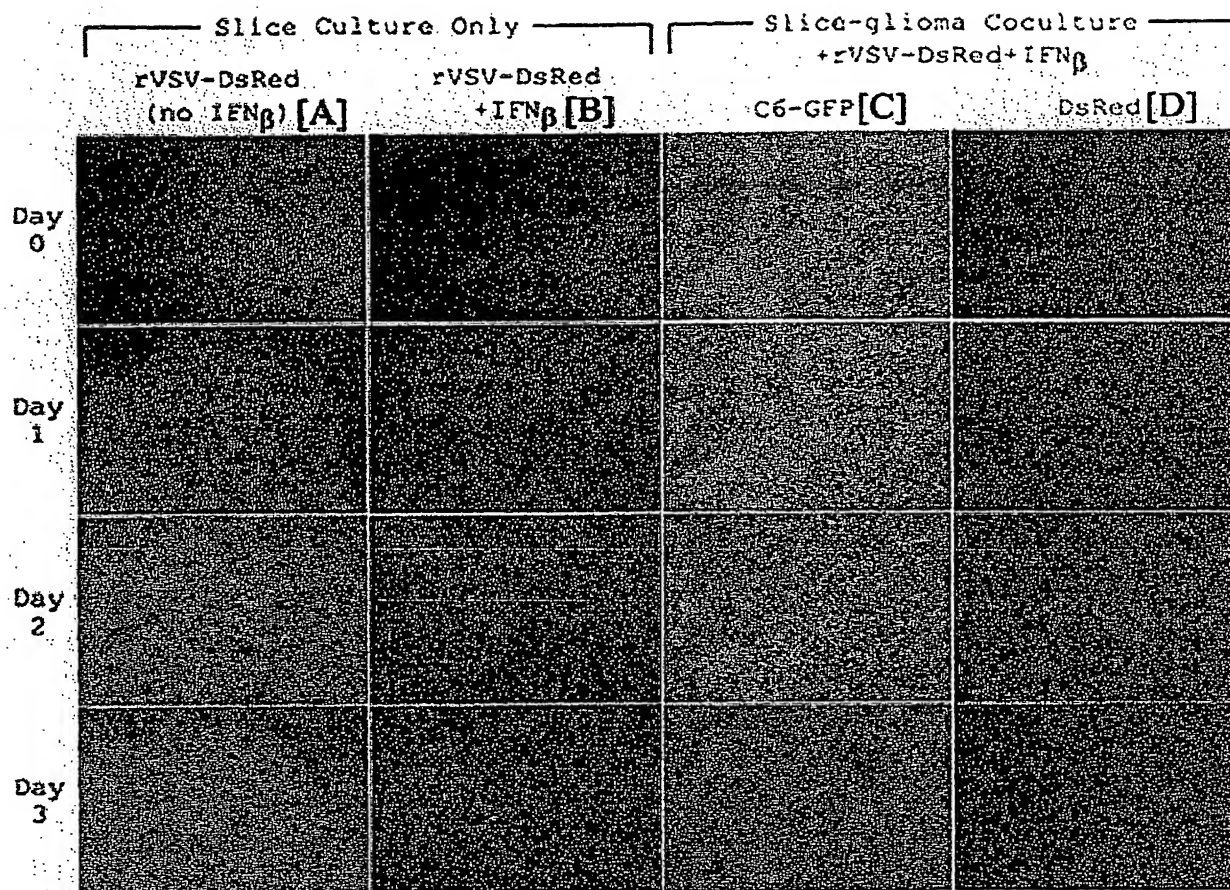
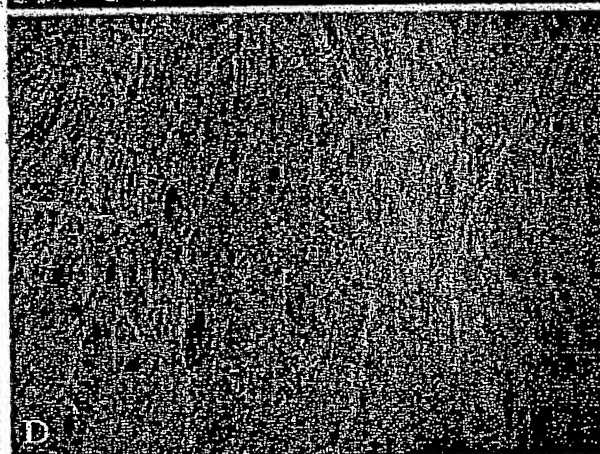
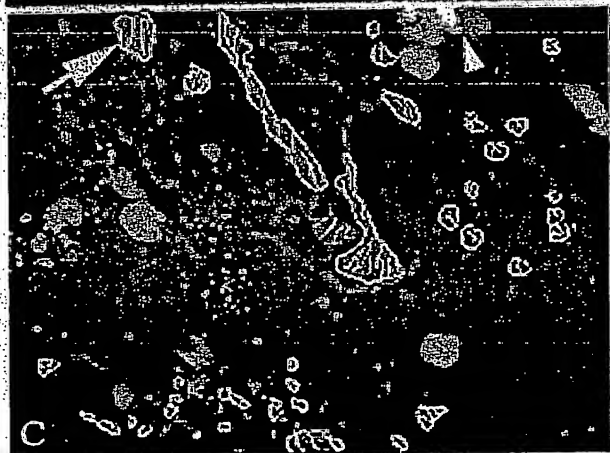
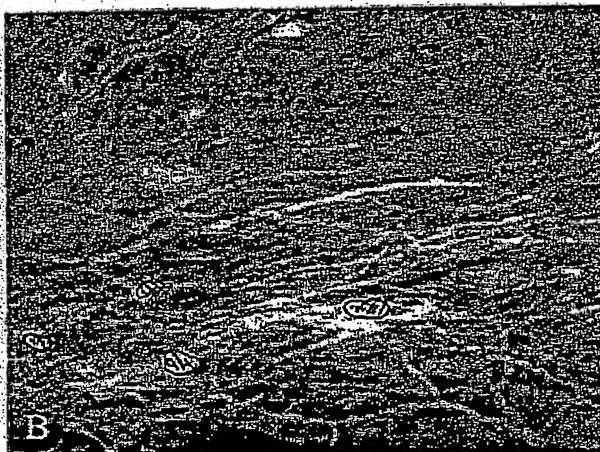
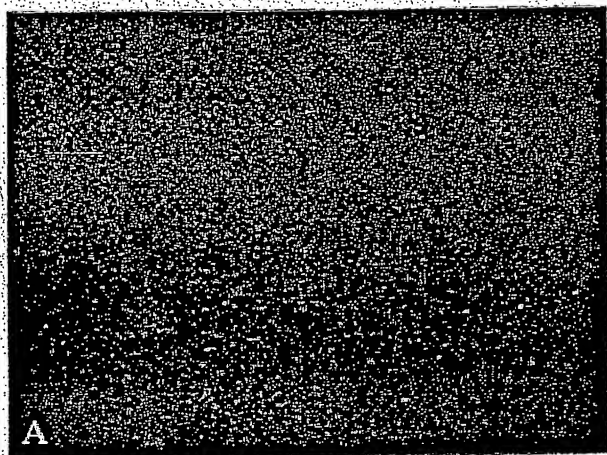


Figure 37

VSV-wt w/ no IFN

VSV-wt w/ 1,000u IFN



VSV-wt w/ 1,000u IFN on C6 co-cx

normal slice w/ IFN only

Figure 38

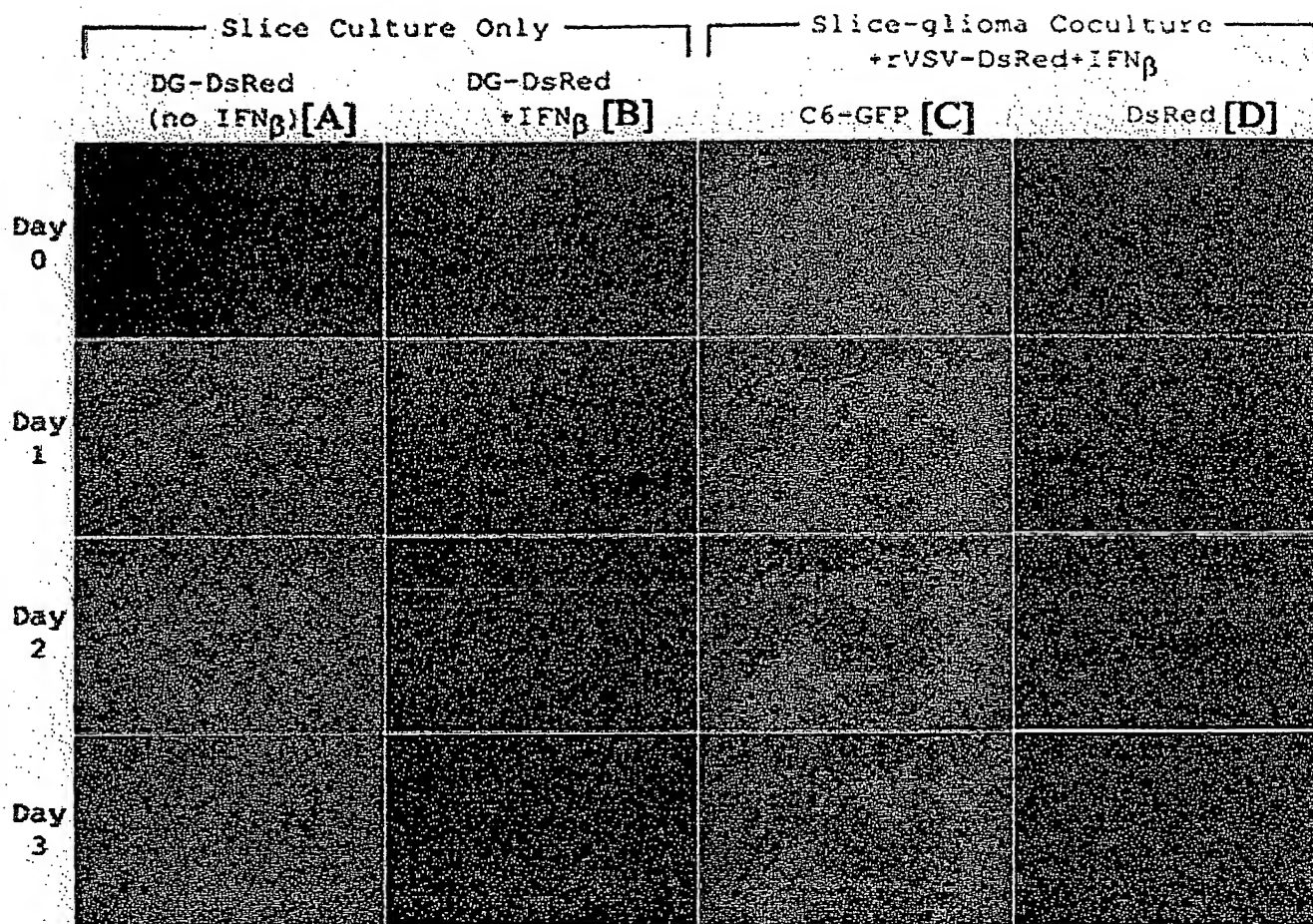
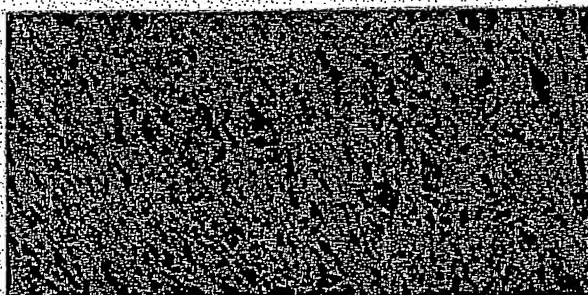


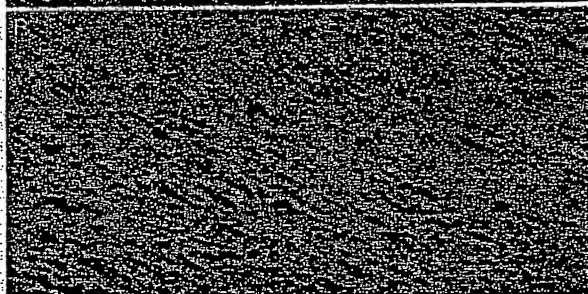
Figure 39

MAP2 Immunohistochemistry

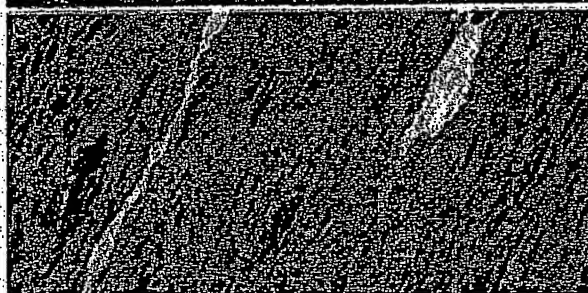
DG-DsRed
(no IFN β)



DG-DsRed
+IFN β



DG-DsRed
+IFN β



Slice Culture
Only

Slice-glioma
coculture

Figure 40

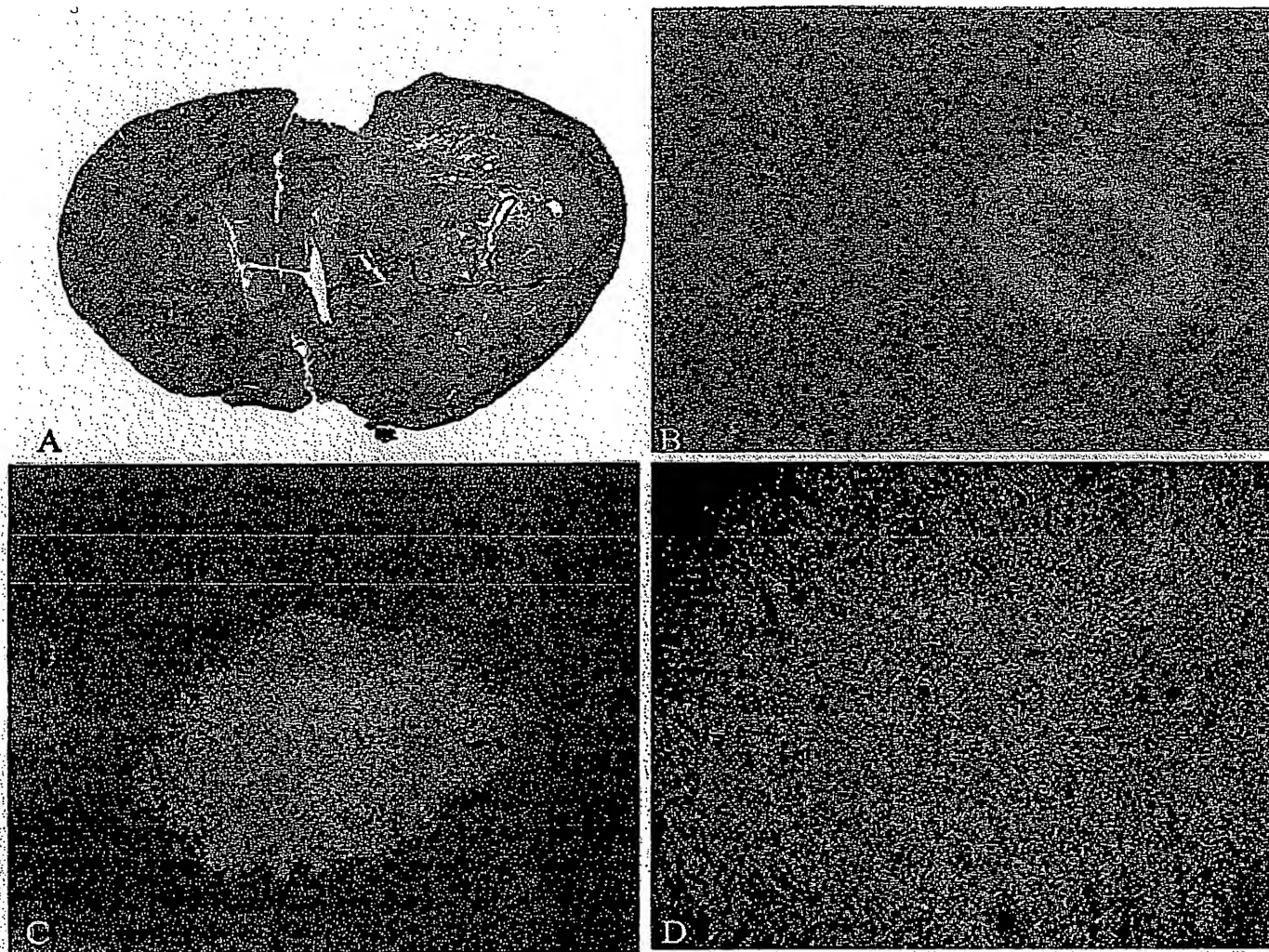


Figure 41

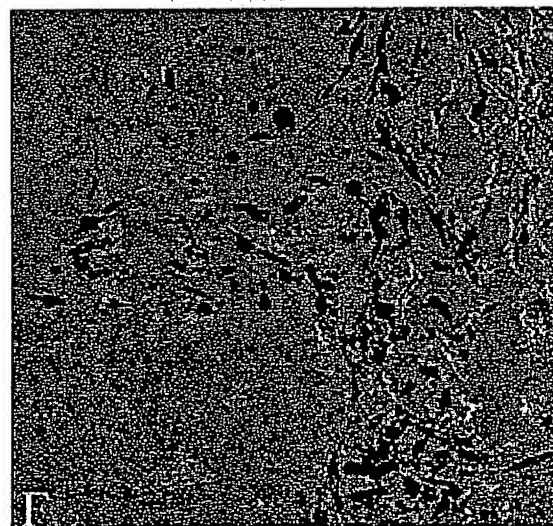
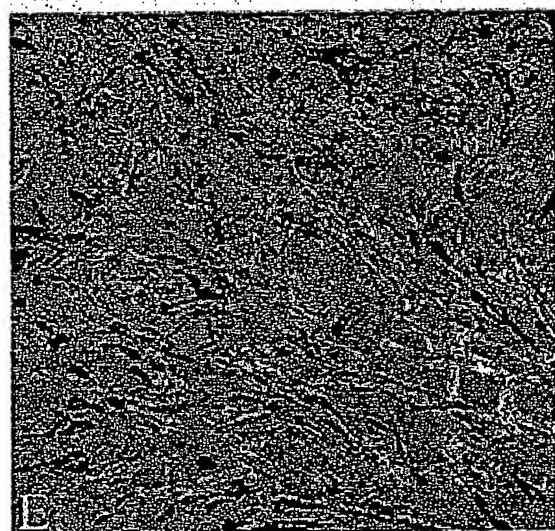
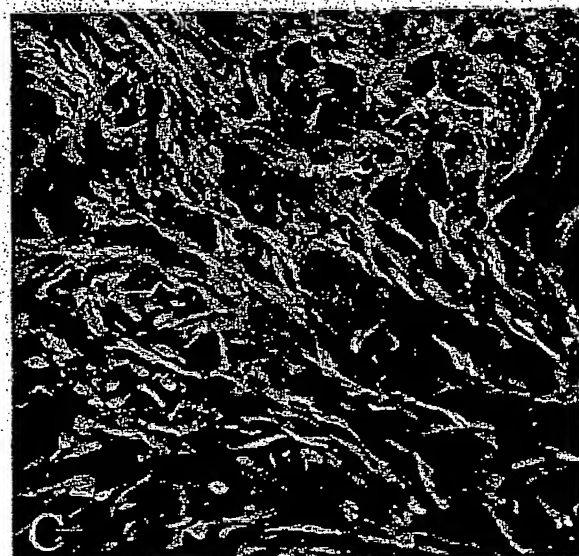
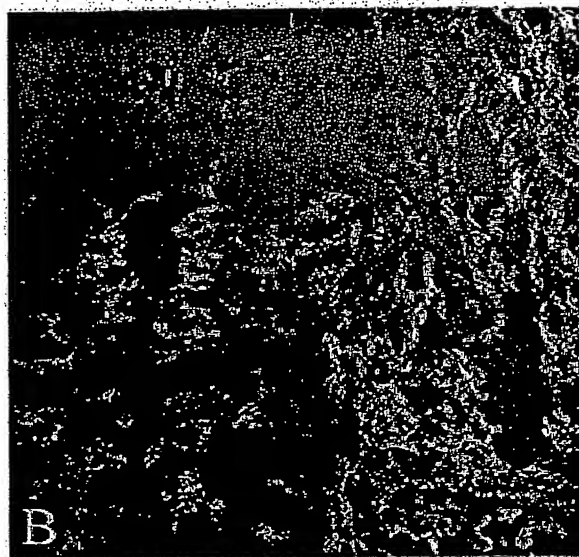
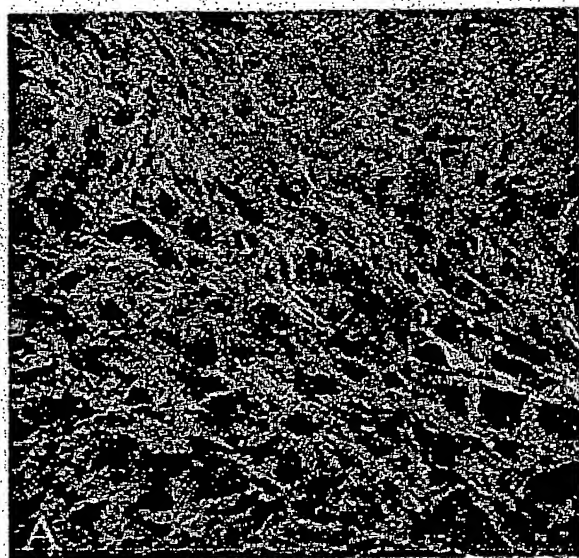


Figure 42

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